

942 OLIVE STREET TENANT IMPROVEMENT WORK



PROJECT INFORMATION / ZONING

PROJECT ADDRESS: 942 OLIVE STREET
BRADFORD BUILDING
EUGENE, OREGON 97401

ZONING/DESIGNATIONS: LANE COUNTY

OCCUPANCY: B

CONSTRUCTION: V-A, FULLY SPRINKLED

DESCRIPTION: 1 STORY BUILDING, NO BASEMENT

BUILDING AREA: APPROXIMATELY 12,960 SQUARE FEET

TAX LOT: 5000

MAX HEIGHT: NO CHANGE

SITE SETBACKS: NO CHANGE

PARKING: NO PARKING ON LOT

DRAWING INDEX

- ARCHITECTURAL**
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 - A3.1 REFLECTED CEILING PLAN
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 - A4.1 INTERIOR ELEVATIONS
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 - E5.0 DIAGRAMS, SCHEDULES & ENLARGED PLANS

MECHANICAL, PLUMBING & STRUCTURAL WORK
UNDER SEPARATE PERMITS

PROJECT TEAM

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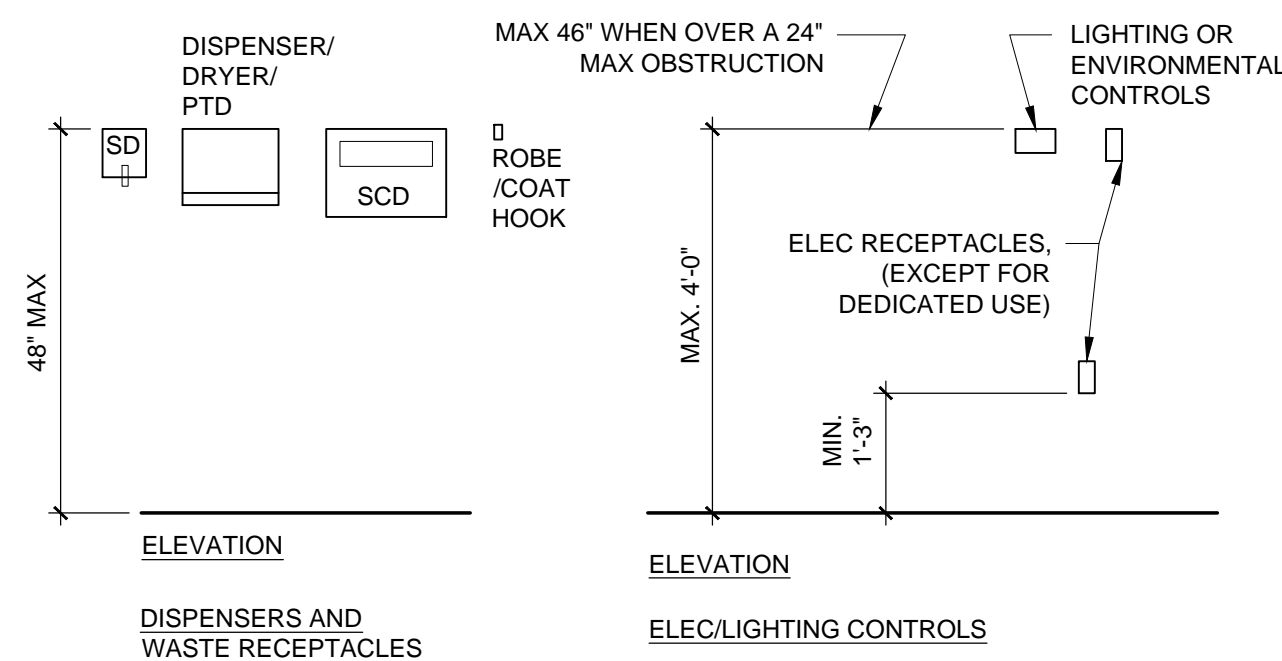
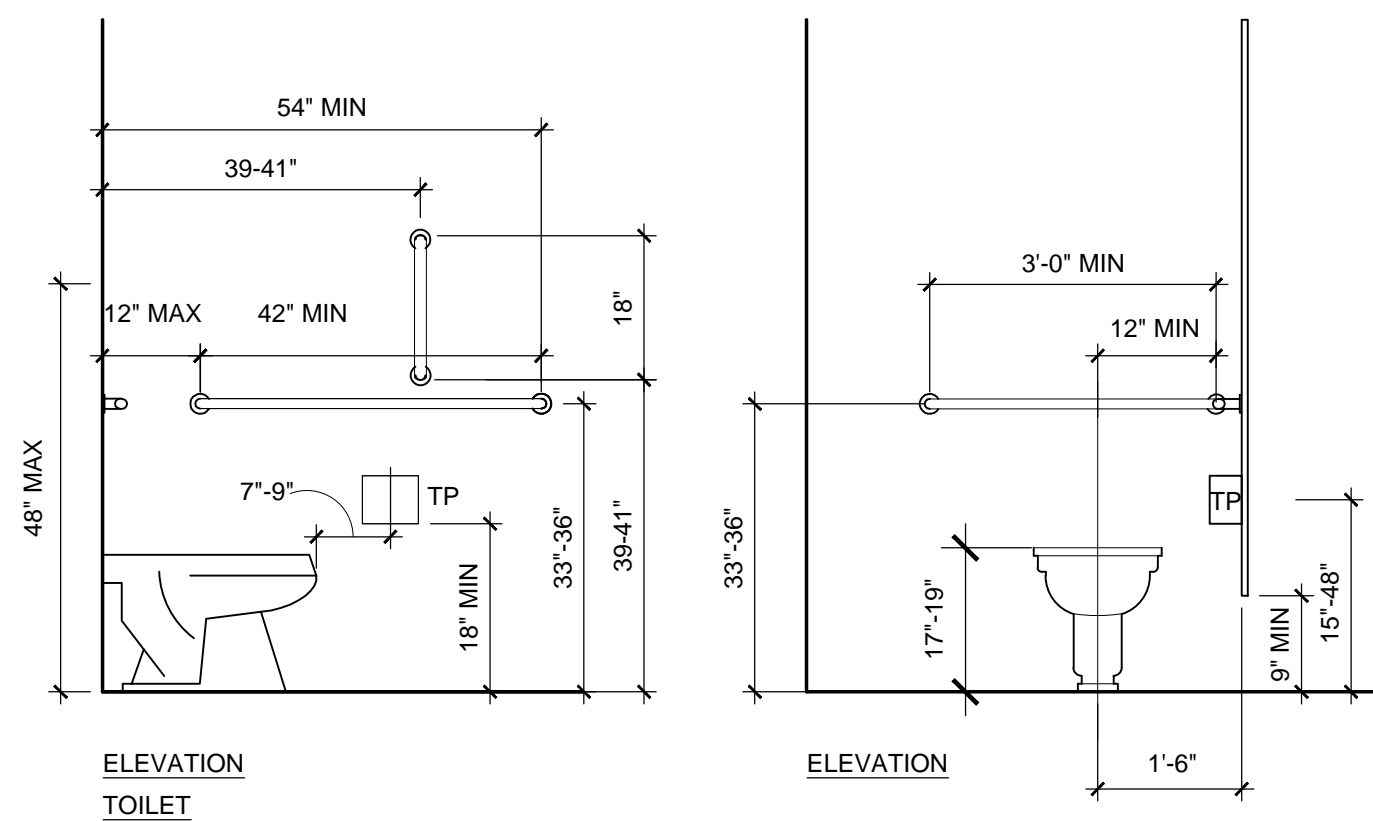
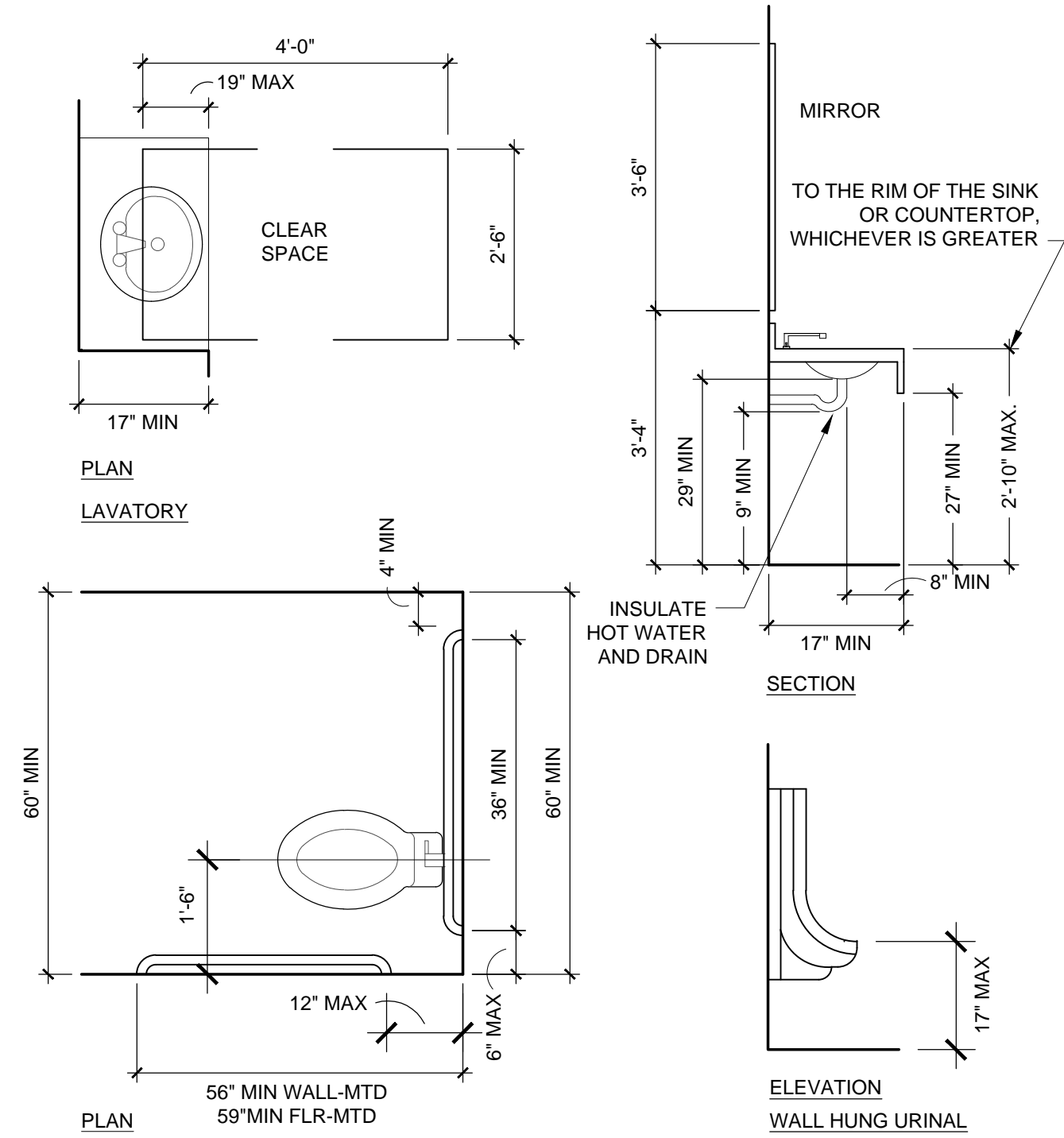
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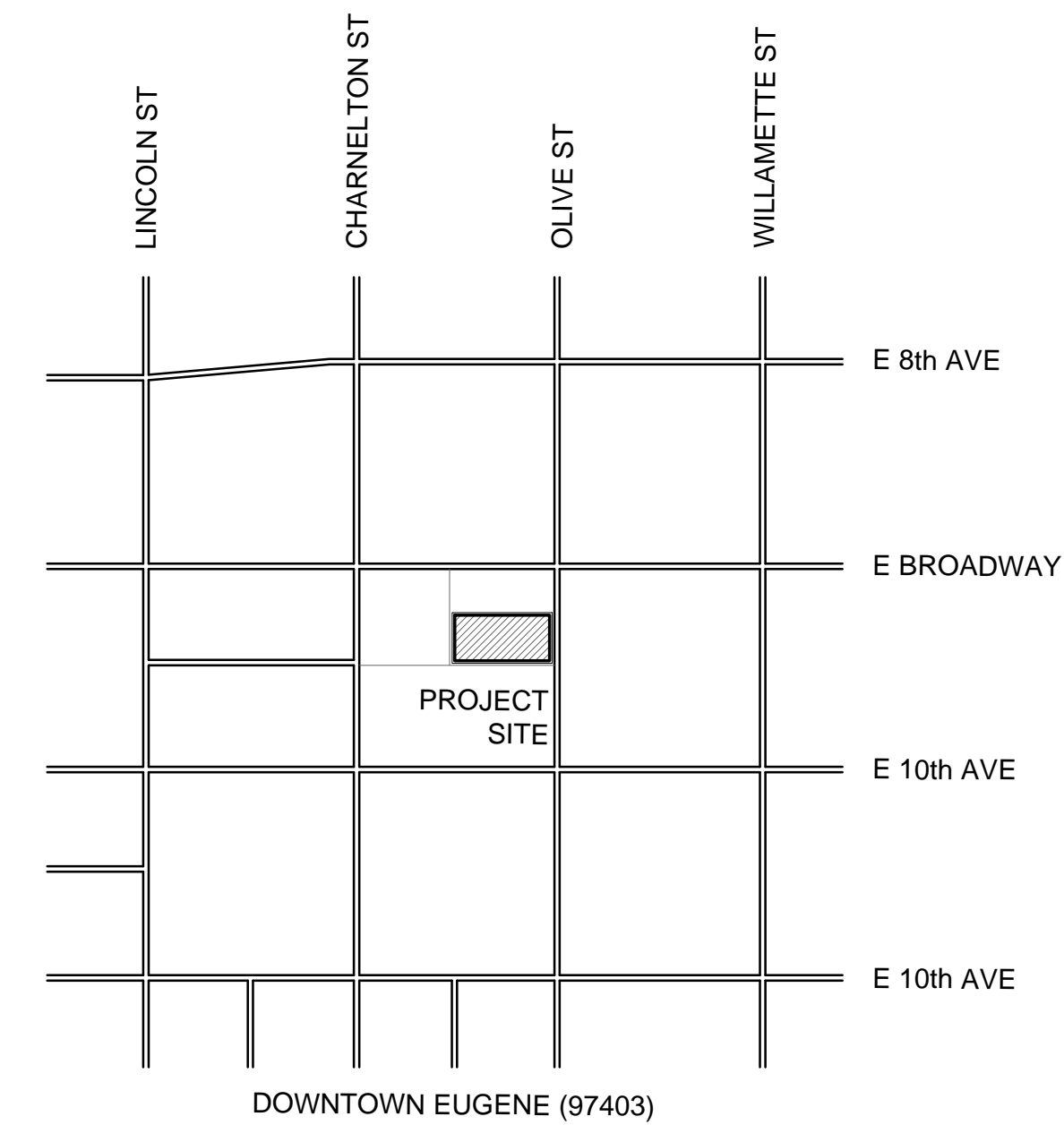
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TOILET ACCESSORY ABBREVIATIONS:
SD SOAP DISPENSER
PTD PAPER TOWEL DISPENSER
SCD SEAT COVER DISPENSER
TP TOILET PAPER DISPENSER



ABBREVIATIONS & COMMON SYMBOLS

ABV	ABOVE	F.O.C.	FACE OF CONCRETE	R.O.	ROUGH OPENING
AC TILE	ACOUSTICAL TILE	FRT	FIRE RETARDANT TREATED	ROW	RIGHT OF WAY
ACT	ACOUSTICAL CEILING TILE	FX	FIXED WINDOW	RS	ROUGH SAWN
ADJ	ADJACENT	GA	GAUGE	S&R	SHELF AND ROD
AFF	ABOVE FINISHED FLOOR	GALV	GALVANIZED	S&V	STAIN & VARNISH
AL	ALUMINUM	GL	GLASS	SC	SOLID CORE
ARCH	ARCHITECTURAL	GWB	GYPSUM WALLBOARD	SCHED	SCHEDULE
AVG	AVERAGE	HC	HOLLOW CORE	SEC	SECTION
BLKG	BLOCKING	HDWE	HARDWARE	SGD	SLIDING GLASS DOOR
B.O.	BOTTOM OF	HM	HOLLOW METAL	SHT	SHEET
BR	BRICK, BEDROOM	HOR	HORIZONTAL	SHWR	SHOWER
CPT	CARPET	HT	HEIGHT	SIM	SIMILAR
CMU	CONCRETE BLOCK	HW	HOT WATER	SL	SLIDER WINDOW
CEM	CEMENT	HWT	HOT WATER TANK	SPECS	SPECIFICATIONS
C TILE	CERAMIC TILE	ID	INSIDE DIMENSION	SF	SQUARE FEET
CFM	CUBIC FEET PER MINUTE	INSUL	INSULATION	S.O.G.	SLAB ON GRADE
CL	CENTER LINE	INT	INTERIOR	SRWY	STAIRWAY
CLG	CEILING	KIT	KITCHEN	ST	STEEL
CLO	CLOSET	L	LONG, LINE	STOR	STORAGE
CON	CONSTRUCTION	LAV	LAVATORY	STRUC	STRUCTURAL
CONC	CONCRETE	LR	LIVING ROOM	SUSP	SUSPENDED
CONT	CONTINUOUS	LT	LIGHT	SV	SHEET VINYL
COR	CORRIDOR	MAR	MARBLE	T	TREAD, THICKNESS
C TO C	CENTER TO CENTER	MATL	MATERIAL	TEMP	TEMPERED GLASS
CVG	CLEAR VERTICAL GRAIN	MAX	MAXIMUM	THRESH	THRESHOLD
CW	COLD WATER	MECH	MECHANICAL	TK	TIGHT KNOT
DTL	DETAIL	MIN	MINIMUM	T.O.	TOP OF
DF	DRINKING FOUNTAIN	M.O.	MASONRY OPENING	T.O.W.	TOP OF WALL
DIA	DIAMETER	MUL	MULLION	TYP	TYPICAL
DIM	DIMENSION	MTD	MOUNTED	UNFIN	UNFINISHED
DN	DOWN	N/A	NOT APPLICABLE	U.N.O.	UNLESS NOTED OTHERWISE
DO	DITTO	NAT	NATURAL	UR	URINAL
DR	DINING ROOM, DOOR	NIC	NOT IN CONTRACT	VCT	VINYL COMPOSITION TILE
DS	DOWNSPOUT	NO. #	NUMBER	V.I.F.	VERIFY IN FIELD
DWG	DRAWING	NOM	NOMINAL	VERT	VERTICAL
D/W	DISHWASHER	NTS	NOT TO SCALE	VTOS	VENT TO OUTSIDE
EA	EACH	OC	ON CENTER	W	WIDTH
ELEC	ELECTRIC(AL)	OD	OUTSIDE DIMENSION	W/	WITH
ELEV	ELEVATION	OPP	OPPOSITE	WC	WATER CLOSET
(E)	EXISTING	PT(D)	PAINT(ED)	WD	WOOD
EXT	EXTERIOR	PL	PLASTER, PLATE	W/D	WASHER/DRYER
FEC	FIRE EXTINGUISHER CABINET	P LAM	PLASTIC LAMINATE	WDW	WINDOW
FIN.	FINISH	PLYWD	PLYWOOD	WI	WROUGHT IRON
FL	FLOOR	Q TILE	QUARRY TILE	WP	WATERPROOF
F.O.	FACE OF	R	RISER, RADIUS		
F.O.F.	FACE OF FRAMING	REBAR	REINFORCING BAR		
F.O.I.C.	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	REF	REFRIGERATOR		
F.O.I.O.	FURNISHED BY OWNER, INSTALLED BY OWNER	REQ'D	REQUIRED		
F.O.I.C.	FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR	RES	RESILIENT FLOORING		
		REV	REVISION		
		RM, RMS	ROOM, ROOMS		



TYPICAL MOUNTING HEIGHTS
NOT TO SCALE

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PROJECT NO. 15-0309
ISSUE DATE 09.11.2015

REVISIONS

SHEET

COVER

G1.0

PERMIT SET
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942 OLIVE STREET - TENANT IMPROVEMENT WORK

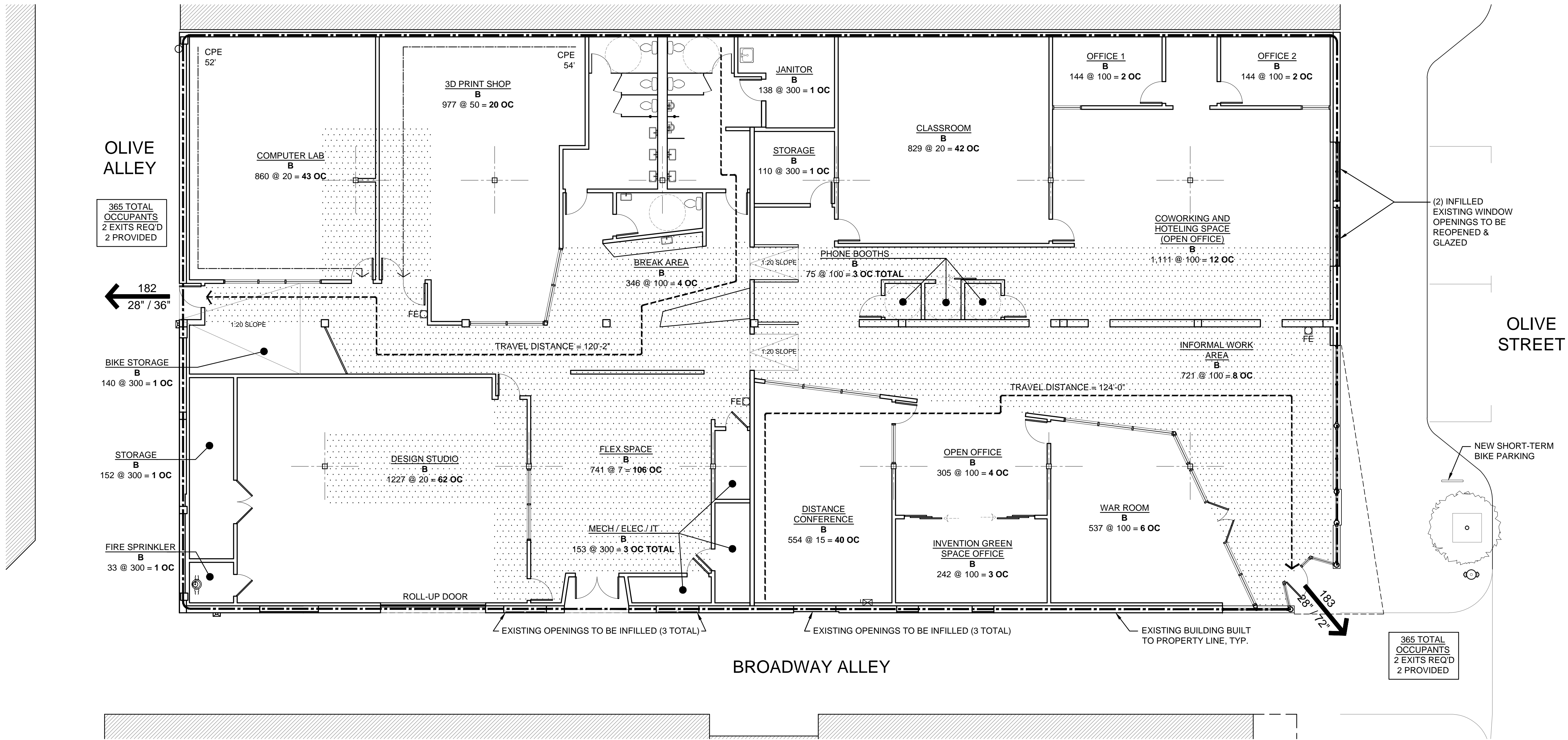
GOVERNING CODES	SEC. I
ZONING: CITY OF EUGENE, CHAPTER 9, ZONING CODE	
APPLICABLE CODE: 2014 OREGON STRUCTURAL SPECIALTY CODE	
WORK SCOPE	
WORK SCOPE: INTERIOR TENANT IMPROVEMENT WORK	
CONSTRUCTION DATA	SEC. II
CONSTRUCTION TYPE: VA WITH FIRE SPRINKLERS IN LIEU OF 1 HR	
BUILDING HEIGHT: MAX ALLOWABLE = NO CHANGE	
STORIES: MAX ALLOWABLE = NO CHANGE	
BUILDING AREA: GROUND FLOOR EXISTING 12,800 SF PROP: NO CHANGE	
TOTAL BUILDING FLOOR AREA: 12,800 SF	
MINIMUM REQ'D SETBACKS: NO CHANGE - SEE ZONING REQUIREMENTS	
EXTERIOR FIRE RESISTANCE: NO CHANGE	
EXTERIOR OPENING FIRE PROTECTION: NO CHANGE	

OCCUPANCY	SEC. III
OCCUPANCY: EXISTING: B PROPOSED: B NO CHANGE IN OCCUPANCY	TABLE 602
TOTAL NET TOTAL: 365 OC.	
BUILDING AREA CALCULATIONS	SEC. IV
ALLOWABLE AREA: B 1 FLOOR = 18,000 SF VA WITH SPRINKLERS IN LIEU OF 1-HR CONSTRUCTION	TABLE 503
YARD INCREASE (506.1) SPRINKLER INCREASE: 0	
EXISTING AREA: 1 FLOOR = 12,800 SF	
FIRE RESISTIVE ELEMENTS	SEC. V
FIRE RESISTIVE CONSTRUCTION FOR TYPE II-A (T 601)	TABLE 601
BUILDING ELEMENT: REQUIRED FIRE RATING (HRS.) PROVIDED FIRE RATING (W/ SPRINKLERS)	
STRUCTURAL FRAME: 1 0	
BEARING WALLS - EXT: 1 1	
BEARING WALLS - INT: 1 0	
NON BEARING WALLS - EXT: 1 >30 TO PL 1 >30 TO PL	
NON BEARING WALLS - INT: 0 0	
FLOORS & FLOOR CEILING: 1 0	
ROOFS & ROOF CEILING: 1 0	
EXTERIOR DOORS / WINDOWS DOORS (IN 1 HR WALLS): SEE SEC. 1 0	
NON SEPARATED USES (608.3): MOST RESTRICTED USE IS 'A' OCCUPANCY	
FIRE SEPARATION DISTANCE: 5'-10" = 25% ALLOWABLE AREA UNPROTECTED OPENINGS 15.8% PROPOSED UNPROTECTED ALONG ALLEY	
PARAPETS: EXISTING TO REMAIN	

EXITS	SEC. VI
EXIT ACCESS TRAVEL DISTANCE = 135' IN SPRINKLED BUILDING A OCCUP COMMON PATH OF EGRESS TRAVEL = 54', 100' B ALLOWED OCCUP W/ SPRINKLERS MIN. WIDTH 0.2' x OCCUPANTS MIN. CORRIDOR WIDTH 0.3' x OCCUPANTS (44' MIN.) EXIT DOORS TO SWING IN DIRECTION OF TRAVEL WHEN SERVING OCCUP. LOAD > 50.	1005.1
FIRE DETECTION & SUPPRESSION	SEC. VII
FIRE ALARM SYSTEM: REQUIRED: PER SECTION 303.9	
SPRINKLERS: REFURBISH EXISTING SYSTEM PER OSSC 9-1	
FIRE EXTINGUISHERS: REQUIRED WITHIN 75' OF ANY POINT, 3 PROVIDED	
ACCESSIBILITY	SEC. VII
ACCESSIBILITY: 1. ALL NEW CONSTRUCTION TO MEET CH. 11 REQUIREMENTS 2. EXISTING FEATURES REMODELED TO MEET ACCESSIBILITY GUIDELINES A. FRONT MAIN ENTRY, RAMP & DOORS B. 2ND EXIT C. PATH OF TRAVEL D. RESTROOMS E. SIGNAGE 3. PARKING - NONE EXISTING 4. DRINKING FOUNTAIN - NONE PROPOSED 5. SHOWER - NONE PROPOSED	ANSI A117.1 - 2003

ENERGY CODE	SEC. VII
REQUIRED AND PROPOSED: TABLE 502.1.1	
ROOFS: R-20 CI	
WALLS (WOOD FRAME): R-21	
DOORS: FLUSH DOOR: U MAX. 0.46 DOORS W/ > 50% GLAZING: U MAX. 0.35 U MAX. 0.60, SHGC 0.40 MAX. 168 SF = 1.31% TOTAL (3% ALLOWED) NEW STOREFRONT WINDOWS: U MAX. 0.45 SHGC 0.40 MAX. ENTRANCE DOOR: U MAX. 0.80, SHGC MAX. 0.40	
PLUMBING	SEC. VII
FIXTURE COUNT: WATER CLOSETS - 4 REQUIRED, 8 PROVIDED LAVATORIES - 2 REQUIRED, 6 PROVIDED	TABLE 29-A
PERMITS & SPECIAL INSPECTIONS	SEC. VII
CONSTRUCTION ACCESS: BUILDING WILL BE UNOCCUPIED DURING CONSTRUCTION.	
DEFERRED SUBMITTALS: NO DEFERRED SUBMITTALS	
SEPARATE PERMITS: STRUCTURAL UPGRADES PERMIT #15-04949-01 FIRE SPRINKLERS FIRE ALARMS	

LIFE SAFETY PLAN LEGEND
OCC. GROUP: ROOM NAME & USE
AREA (SF): OCC. LOAD / SF - TABLE 1004.1.1
TOTAL OCCUPANT LOAD: EXITS REQUIRED = 1 UNO EXITS PROVIDED = 1 UNO
EMERGENCY EGRESS LIGHTING LEVEL AT 1 FOOTCANDLE / SF MIN. SEE E2.0 LIGHTING PLAN
EXIT PATH: OCCUPANT LOAD AT EXIT 151 30' / 36" REQ'D EGRESS WIDTH / WIDTH PROVIDED
FIRE EXTINGUISHER
EXIT SIGN (HATCHED AREA INDICATES DIRECTION OF ARROW) EXISTING NOT SHOWN
DOOR CLOSER
DOOR PANIC DEVICE (REQ'D > 50 IN A/E OCCUP)
DOOR LOCKING / NON-LOCKING INDICATION (ALWAYS UNLOCKED IN DIRECTION OF EGRESS)
EXISTING EXTERIOR WALLS



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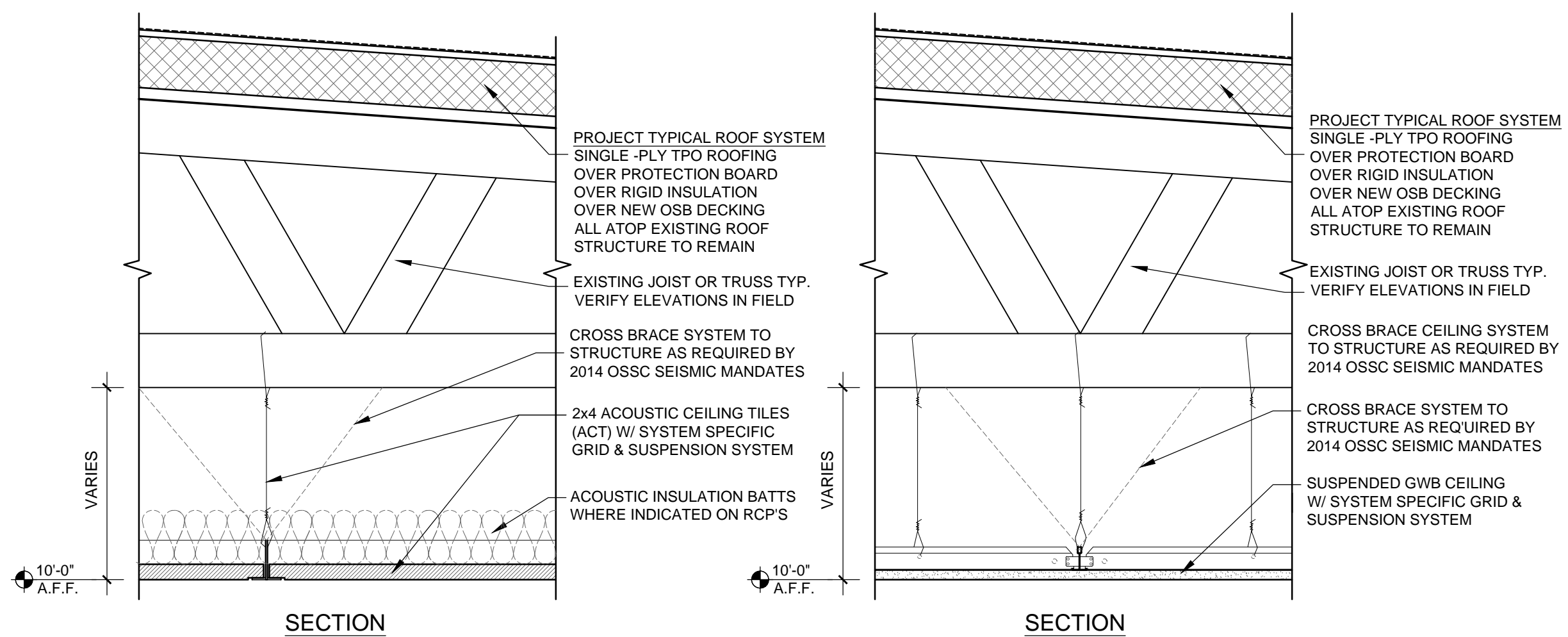
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FIRE / LIFE SAFETY
G1.1

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DOOR SCHEDULE

NO.	ROOM NAME	DOOR SIZE	TYPE	DOOR		FRAME		FIRE RATING	HARDWARE		NOTES
				MATL	FIN	MATL	FIN		GROUP	CLOSER	
L100a	INFORMAL WORK AREA	(2) 3'-0" x 7'-0"		GLASS		STEEL	FF				EXTERIOR
101a	WAR ROOM	(2) 3'-0" x 7'-0"	B	WOOD		STEEL	PT				
101b	WAR ROOM	3'-0" x 7'-0"	B	WOOD		STEEL	PT				
102Ba	INVENTION GREEN SPACE	(6) 3'-0" x 7'-0"	B	WOOD		STEEL	PT				
103a	DISTANCE CONFERENCE	3'-0" x 7'-0"	B	WOOD		STEEL	PT				
104a	FLEX SPACE	(2) 3'-0" x 7'-0"		METAL		STEEL	FF				EXTERIOR
104Aa	I.T. / TELE.	3'-0" x 7'-0"	A	WOOD		STEEL	PT				
104Ba	ELECTRICAL ROOM	3'-0" x 7'-0"	A	WOOD		STEEL	PT				
104Ca	MECHANICAL ROOM	3'-0" x 7'-0"	A	WOOD		STEEL	PT				
105a	DESIGN STUDIO	3'-0" x 7'-0"	B	WOOD		STEEL	PT				
105b	DESIGN STUDIO	3'-0" x 7'-0"	A	WOOD		STEEL	PT				
105Aa	FIRE SPRINKLER	3'-0" x 7'-0"	A	WOOD		STEEL	PT				
105Ba	STUDIO STORAGE	(2) 3'-0" x 7'-0"	A	WOOD		STEEL	PT				
106a	COMPUTER LAB	3'-0" x 7'-0"	B	WOOD		STEEL	PT				
107a	3D PRINTERS / POLYMERS	(2) 3'-0" x 7'-0"	B	WOOD		STEEL	PT				
H108a	CIRCULATION 2	3'-0" x 7'-0"		METAL		STEEL	FF				EXTERIOR
109a	UNISEX TOILET	3'-0" x 7'-0"	A	WOOD		STEEL	PT				
110a	WOMEN'S TOILET	3'-0" x 7'-0"	A	WOOD		STEEL	PT				
111a	MEN'S TOILET	3'-0" x 7'-0"	A	WOOD		STEEL	PT				
111Aa	JANITOR CLOSET	3'-0" x 7'-0"	A	WOOD		STEEL	PT				
112a	STORAGE	3'-0" x 7'-0"	A	WOOD		STEEL	PT				
113a	CLASSROOM	3'-0" x 7'-0"	C	WOOD		STEEL	PT				
113b	CLASSROOM	3'-0" x 7'-0"	C	WOOD		STEEL	PT				
H114a	BOOTH 1	3'-0" x 7'-0"	B	WOOD		STEEL	PT				
H114b	BOOTH 2	3'-0" x 7'-0"	B	WOOD		STEEL	PT				
H114c	BOOTH 3	3'-0" x 7'-0"	B	WOOD		STEEL	PT				
115a	OFFICE 1	3'-0" x 7'-0"	B	WOOD		STEEL	PT				
116a	OFFICE 2	3'-0" x 7'-0"	B	WOOD		STEEL	PT				

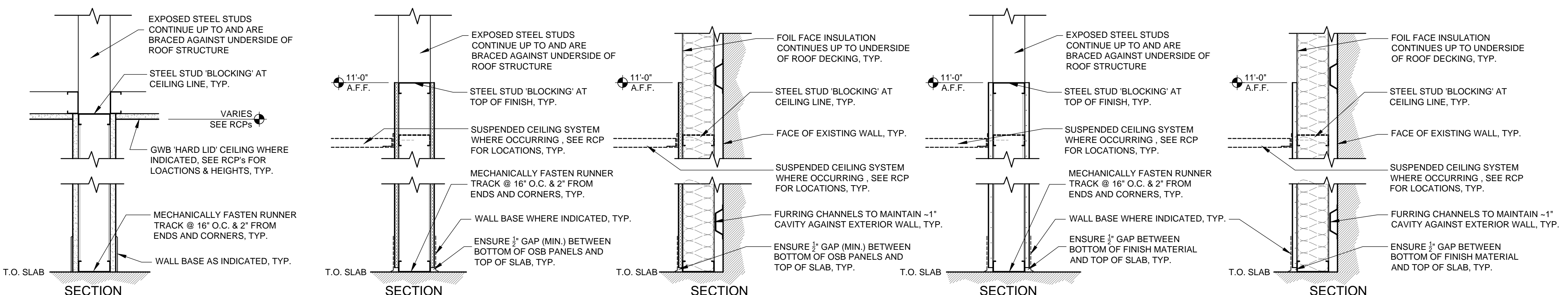
1 DOOR SCHEDULE



C1 SUSPENDED 'ACT' CEILING
 1 1/2" = 1'-0"

C2 GWB 'HARD LID' CEILING
 1 1/2" = 1'-0"

4 CEILING ASSEMBLY TYPES - NOT RATED



W1 GWB PARTITION
 1 1/2" = 1'-0"

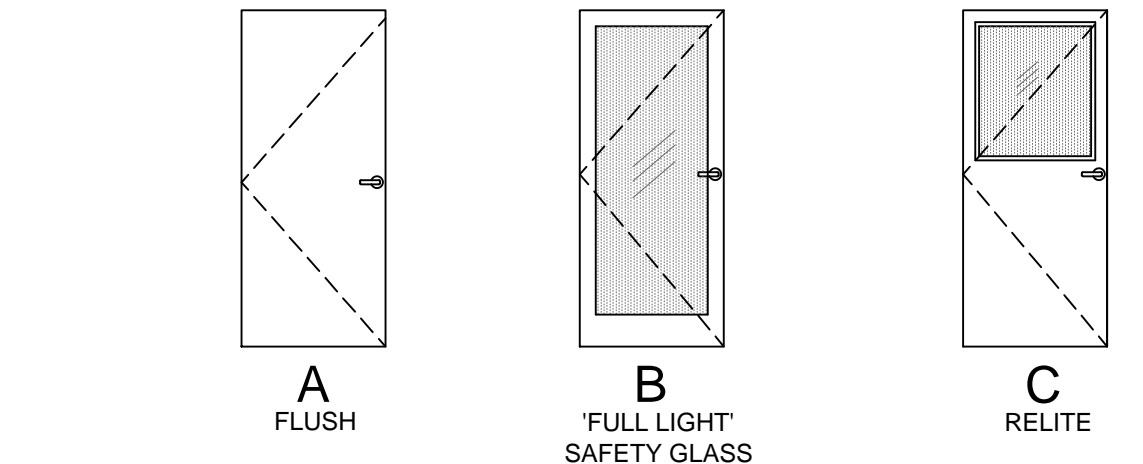
W2 OSB PARTITION
 1 1/2" = 1'-0"

W3 OSB FURRED
 1 1/2" = 1'-0"

W4 'OTHER FINISHES' PARTITION
 1 1/2" = 1'-0"

W5 'OTHER FINISHES' FURRED
 1 1/2" = 1'-0"

3 PARTITION ASSEMBLY TYPES - TYPICALLY NOT RATED (UNLESS OTHERWISE NOTED)



2 DOOR TYPES

G1.2 NTS SEE DOOR SCHEDULE FOR SIZES, MATERIALS AND FINISHES

- GENERAL ASSEMBLY TYPE NOTES:**
- PARTITION TYPES TYPICALLY TO USE 3625125-18 STEEL STUDS (3/8" x 25 GAUGE W/ 1/2" FLANGES) AT 24" O.C. (U.N.O.)
 - A 'SIM' DESIGNATION W/ ASSEMBLY TAGS INDICATES A ONE SIDED PARTITION, FINISH MATERIAL OCCURS ON THE TAGGED SIDE OF PARTITION ONLY, ALL OTHER COMPONENTS TO BE UNCHANGED.
 - AN 'A' DESIGNATION W/ THE ASSEMBLY TAGS DENOTES PARTITIONS THAT REQUIRE ACOUSTIC ATTENUATION, e.g. SEALANT AT ALL PENETRATIONS & GAPS AND INSULATION BATTS IN STUD CAVITIES.
 - WHERE OCCURRING, ACOUSTIC INSULATION IS TO FILL ALL POSSIBLE CAVITIES IN THE DESIGNATED PARTITIONS, INCLUDING ABOVE & ALL AROUND DOORS, WINDOWS, RELITES, ETC.

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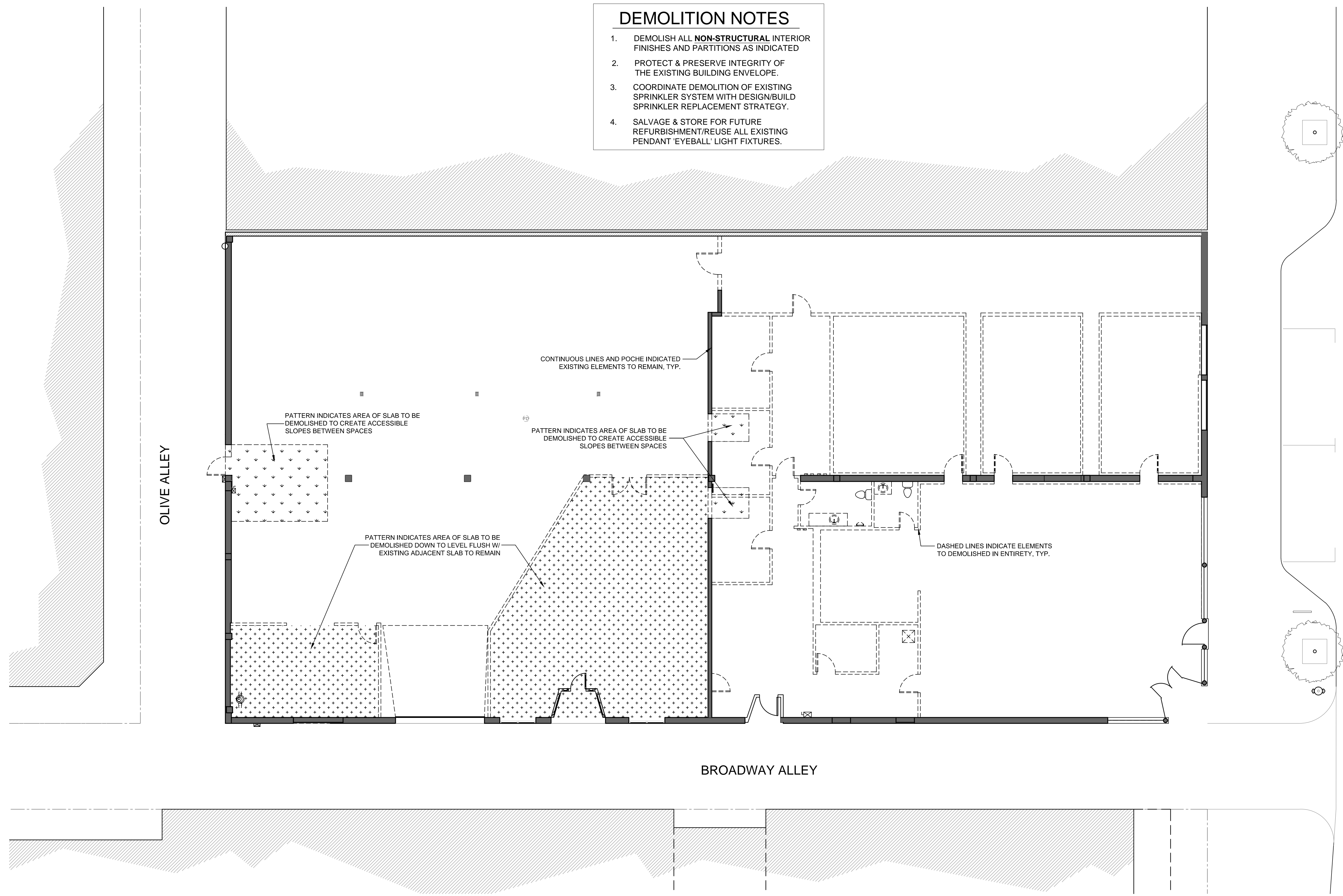
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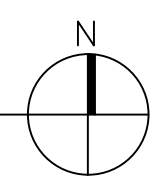


DEMOLITION NOTES

1. DEMOLISH ALL **NON-STRUCTURAL** INTERIOR FINISHES AND PARTITIONS AS INDICATED
2. PROTECT & PRESERVE INTEGRITY OF THE EXISTING BUILDING ENVELOPE.
3. COORDINATE DEMOLITION OF EXISTING SPRINKLER SYSTEM WITH DESIGN/BUILD SPRINKLER REPLACEMENT STRATEGY.
4. SALVAGE & STORE FOR FUTURE REFURBISHMENT/REUSE ALL EXISTING PENDANT 'EYEBALL' LIGHT FIXTURES.



1 **PROPOSED DEMOLITION PLAN**
 A1.0 1/16" = 1'-0" ON 11x17 (1/8" = 1'-0" ON 22x34 SHEETS)



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
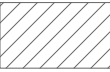
DEMOLITION
A1.0

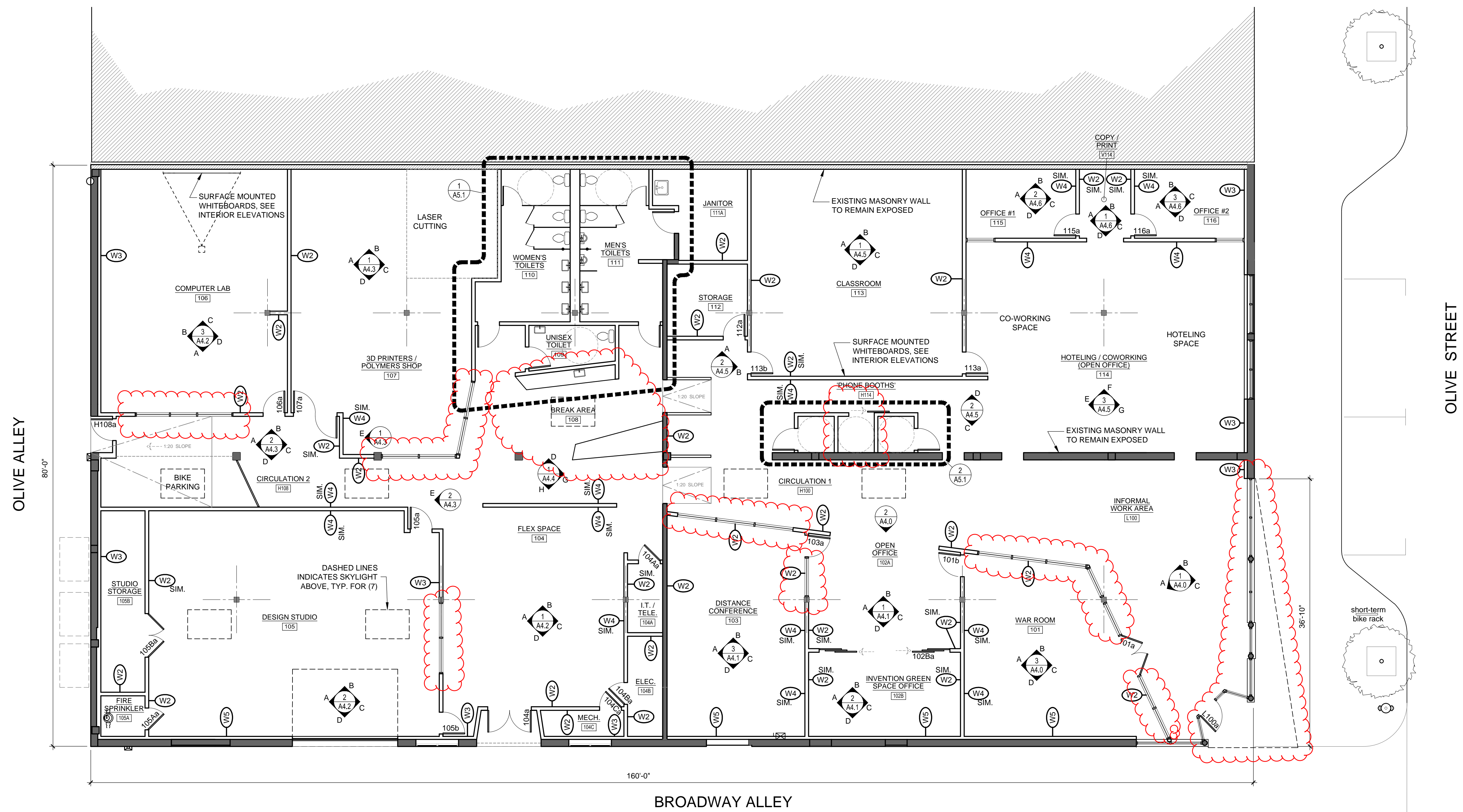
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FLOOR PLAN LEGEND

-  - EXISTING TO REMAIN
-  - NEW CONSTRUCTION
-  - PATTERN INDICATES AREAS NOT IN SCOPE OF WORK



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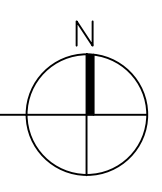
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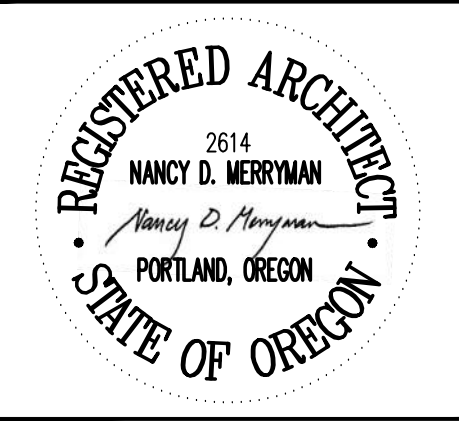
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PLAN A1.1

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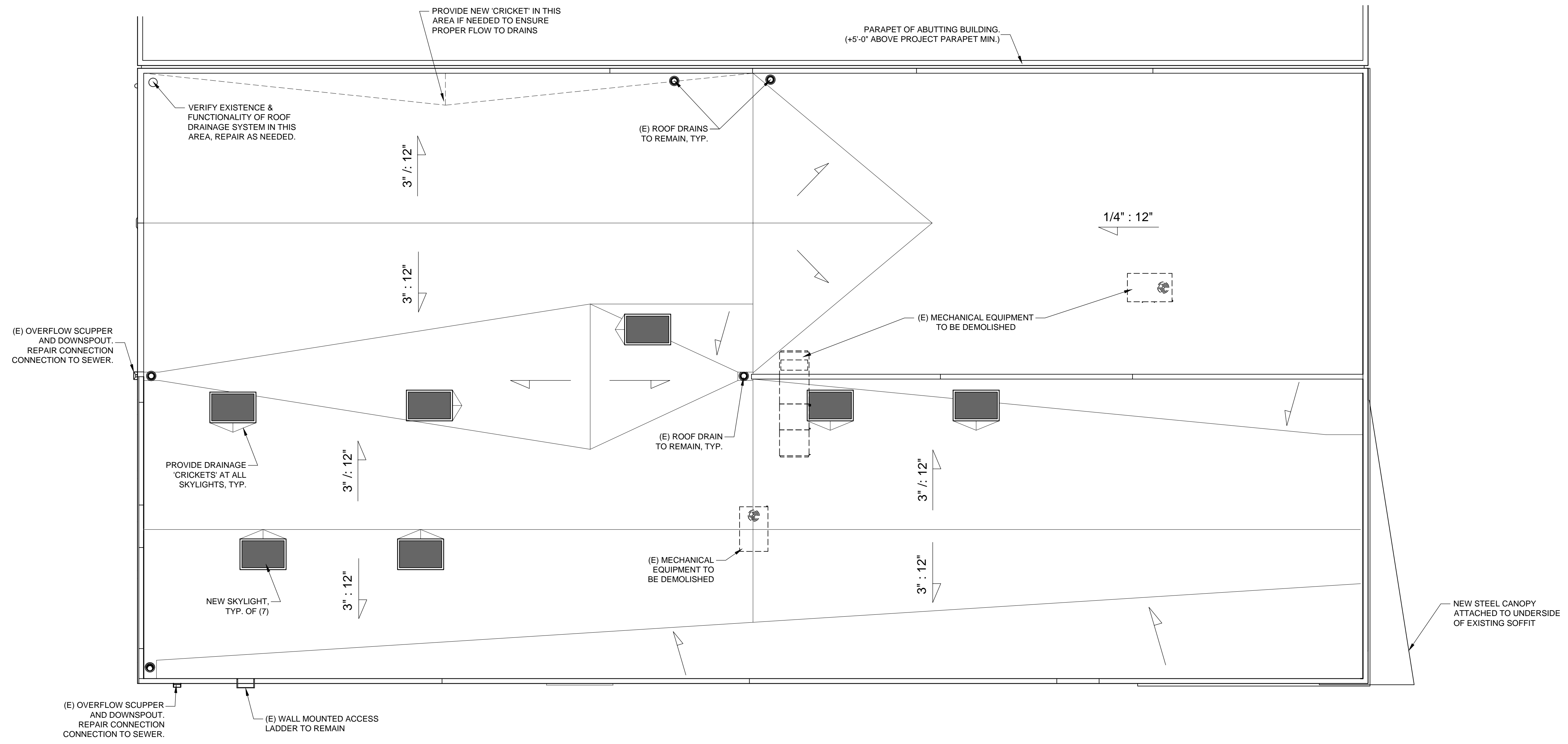
1 PROPOSED FLOOR PLAN
 A1.1 1/16" = 1'-0" ON 11x17 (1/8" = 1'-0" ON 22x34 SHEETS)



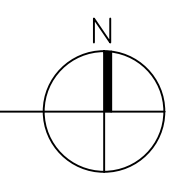


ROOF PLAN NOTES

1. REFER TO DESIGN/BUILD MECHANICAL DOCUMENTS FOR QUANTITY, TYPE AND LOCATION OF ROOF TOP MECHANICAL UNITS. COORDINATE STRUCTURAL & WATERPROOF PENETRATION RESPONSES WITH PROPOSED RTU CONFIGURATION.
2. PROVIDE NEW SINGLE-PLY (TPO) MEMBRANE ROOF OVER NEW RIGID INSULATION & PROTECTION BOARD ATOP EXISTING ROOF STRUCTURE.
3. NEW SINGLE-PLY (TPO) MEMBRANE ROOFING TO WRAP UP BACKSIDE OF EXISTING PARAPETS & TERMINATE UNDER NEW METAL COPING, TYP.
4. PROVIDE & COORDINATE INSTALLATION OF (7) NEW SKYLIGHTS W/ EXISTING ROOF STRUCTURE & NEW ROOFING MEMBRANE.
5. VERIFY ROOF HAS ADEQUATE SLOPE TO EXISTING ROOF DRAINS. REPAIR AS NEEDED EXISTING ROOF DRAINS, LEADERS & DOWNSPOUTS TO ENSURE FUNCTIONALITY OF ROOF DRAINAGE SYSTEM. REPAIR AS NEEDED BUILDING DRAINAGE TIE-IN TO PUBLIC SEWER SYSTEM.



1 ROOF PLAN
 A1.2 1/16" = 1'-0" ON 11x17 (1/8" = 1'-0" ON 22x34 SHEETS)



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SHEET


ROOF PLAN
A1.2

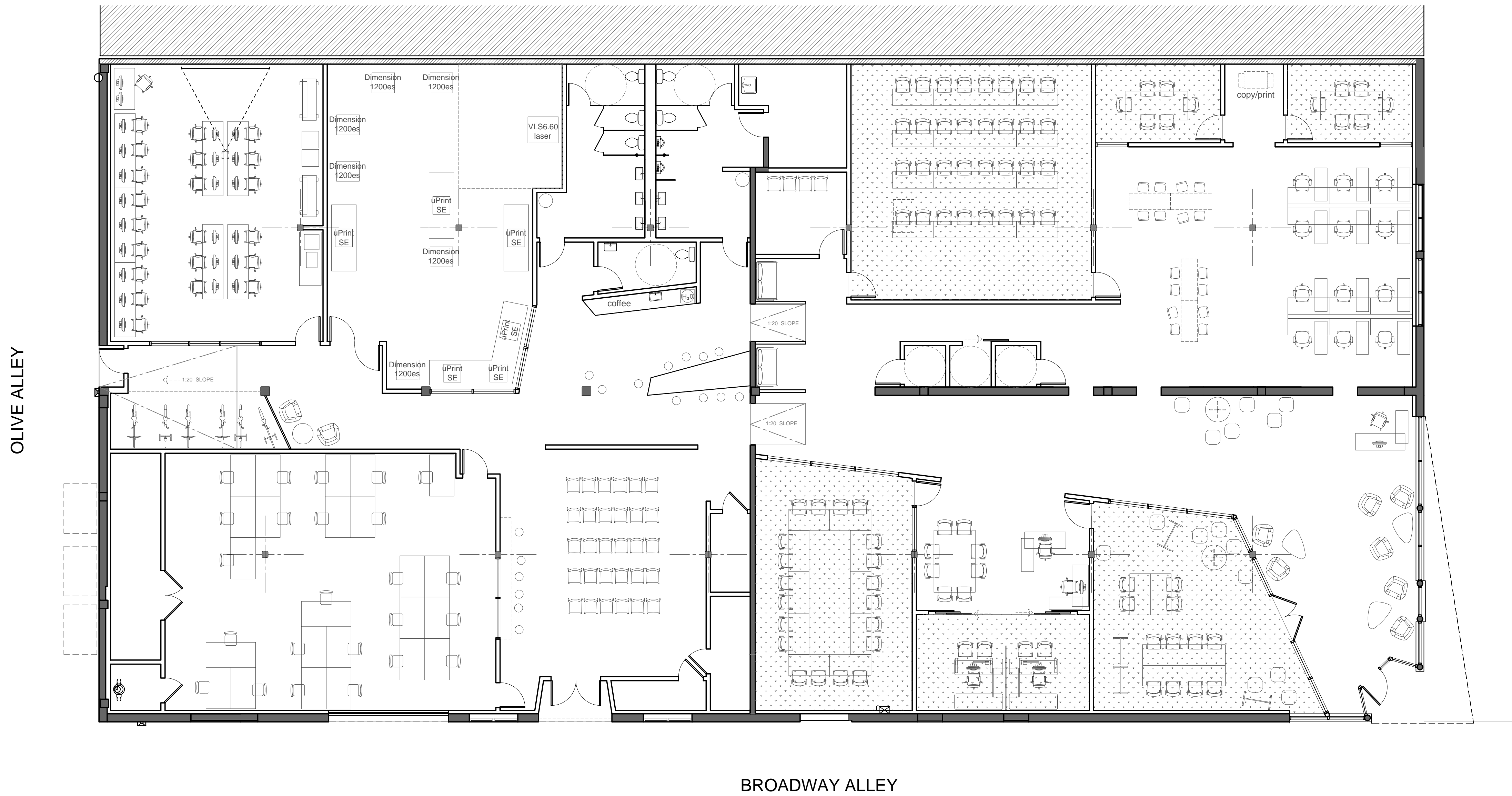
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LEGEND AND NOTES

FURNITURE SHOWN IS FOR REFERENCE ONLY -
 ALL FURNITURE & EQUIPMENT TO BE UNDER SEPARATE CONTRACT

 PATTERN INDICATES AREAS WITH NEW CARPET TILE



1 PROPOSED FURNITURE & FINISHES PLAN
 A2.1 1/16" = 1'-0" ON 11x17 (1/8" = 1'-0" ON 22x34 SHEETS)

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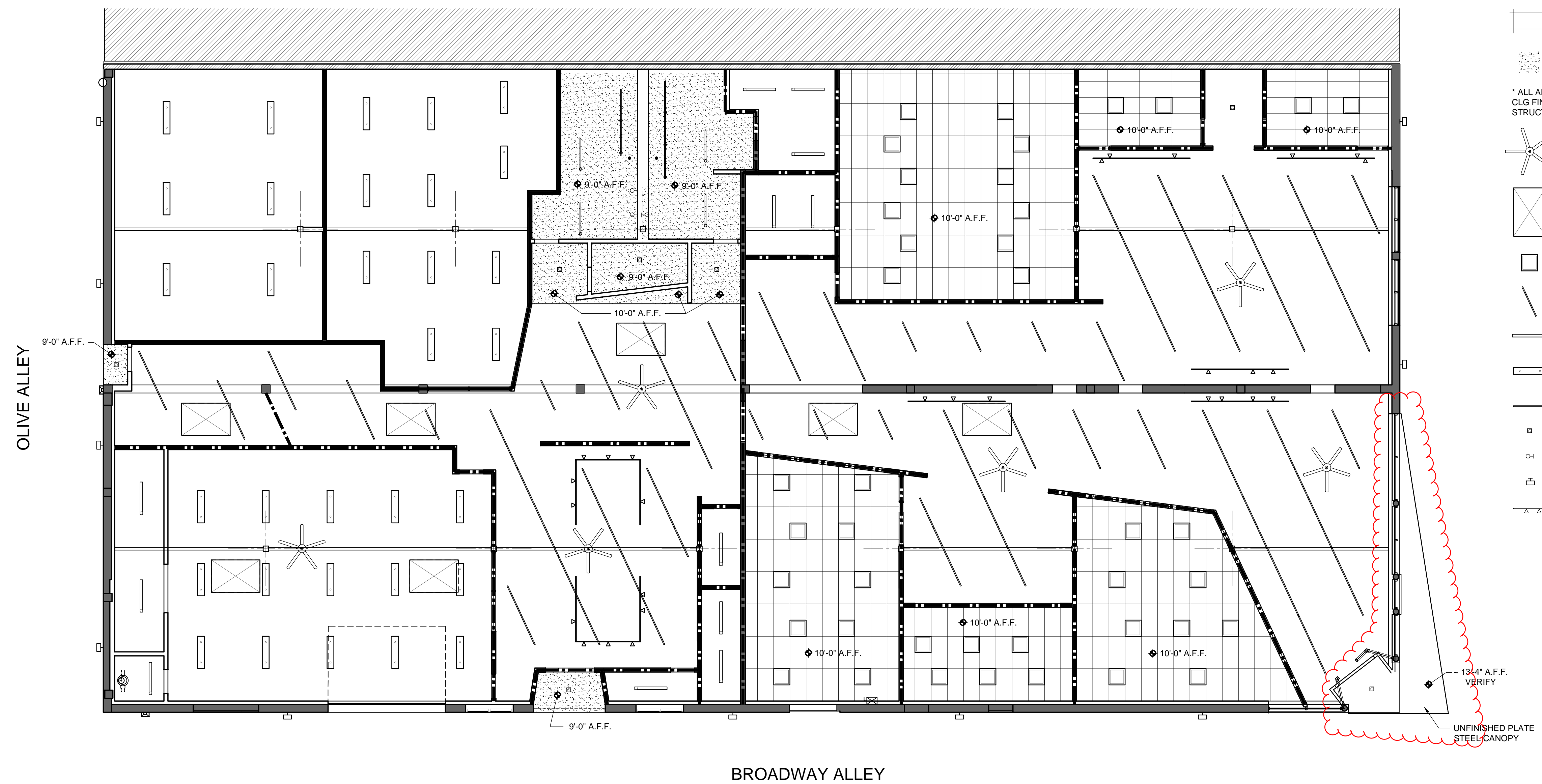


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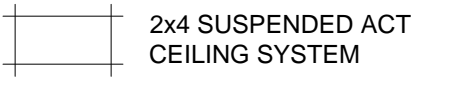
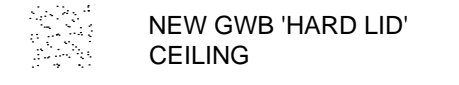
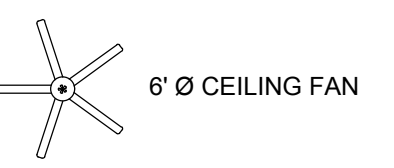
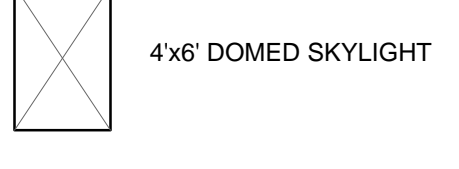
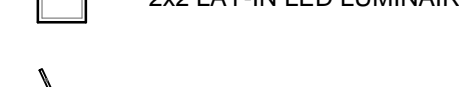
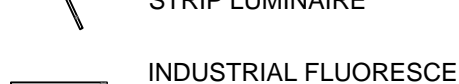


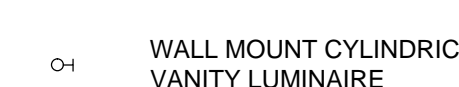
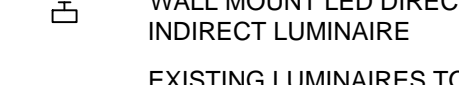



REVISIONS
 SHEET

FURNITURE & FINISHES
A2.1

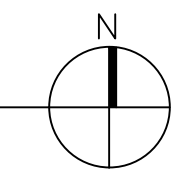
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LEGEND

-  WALL FINISH ONLY UP TO 11'-0" A.F.F.
-  FULL HEIGHT WALL (SEAL TO UNDERSIDE OF ROOF DECKING)
-  2x4 SUSPENDED ACT CEILING SYSTEM
-  NEW GWB 'HARD LID' CEILING
- * ALL AREAS NOT DEPICTED W/ NEW CLG FINISH ARE TO BE OPEN TO STRUCTURE ABOVE
-  6' Ø CEILING FAN
-  4x6' DOMED SKYLIGHT
-  2x2 LAY-IN LED LUMINAIRE
-  FLUORESCENT PENDANT STRIP LUMINAIRE
-  INDUSTRIAL FLUORESCENT STRIP
-  INDUSTRIAL SUSPENDED FLUORESCENT HIGH-BAY STRIP LUMINAIRE
-  FLUORESCENT SUSPENDED STRIP LUMINAIRE
-  RECESSED LED DOWNLIGHT
-  WALL MOUNT CYLINDRICAL VANITY LUMINAIRE
-  WALL MOUNT LED DIRECT / INDIRECT LUMINAIRE
-  EXISTING LUMINAIRES TO BE REUSED IN NEW TRACK

1 PROPOSED REFLECTED CEILING PLAN
 A3.1 1/16" = 1'-0" ON 11x17 (1/8" = 1'-0" ON 22x34 SHEETS)



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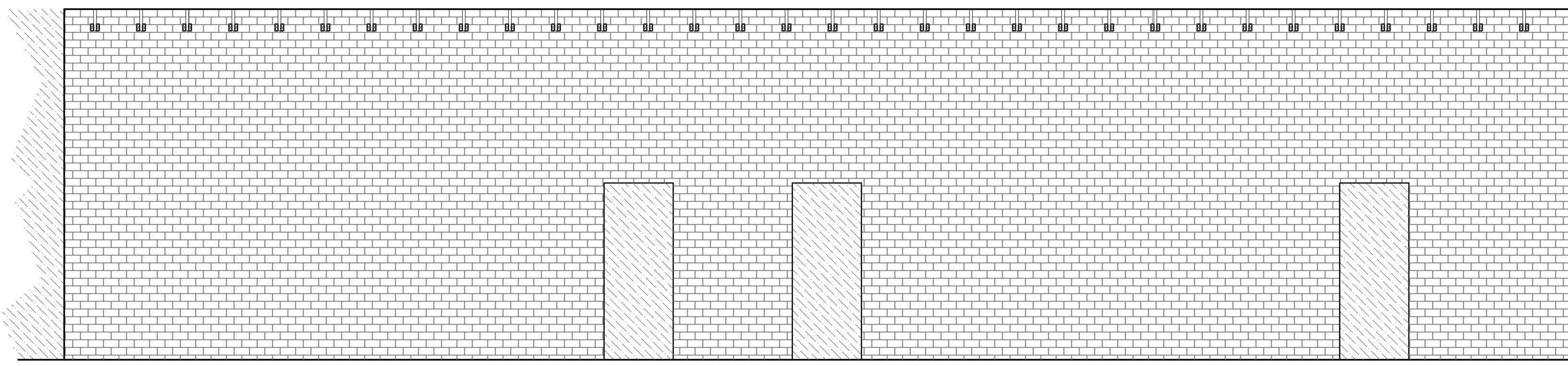
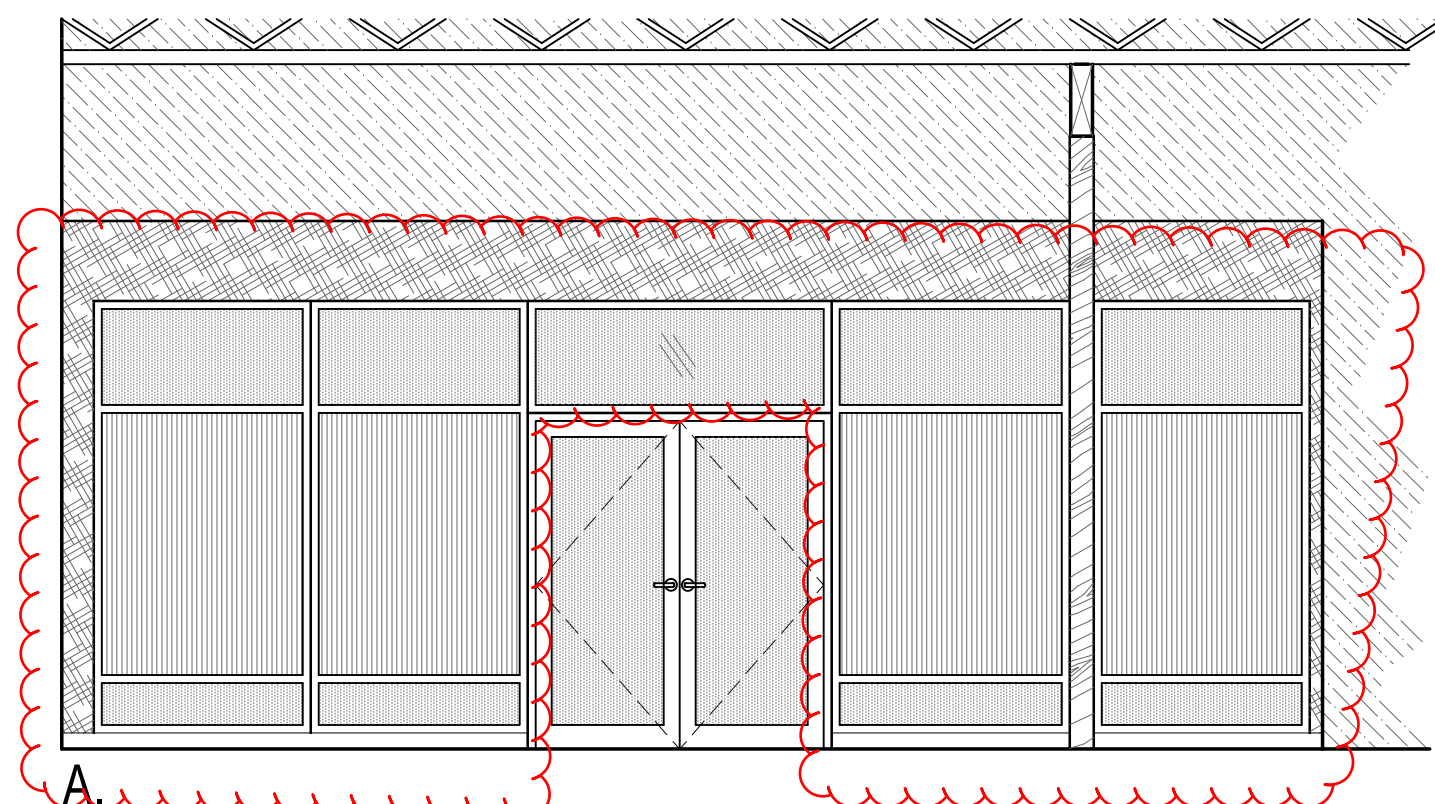
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SHEET

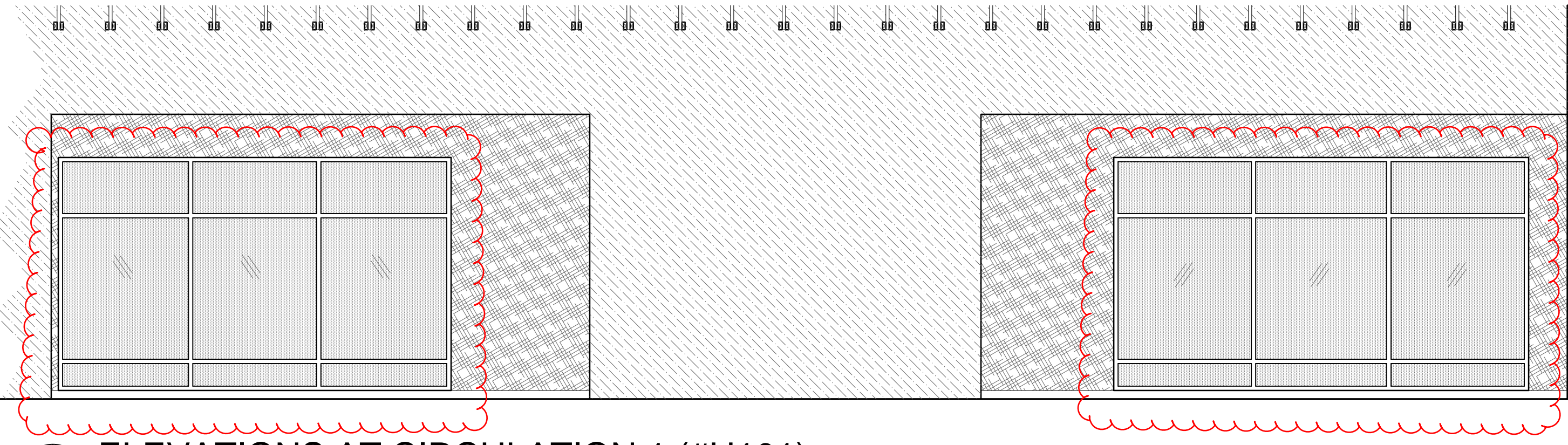
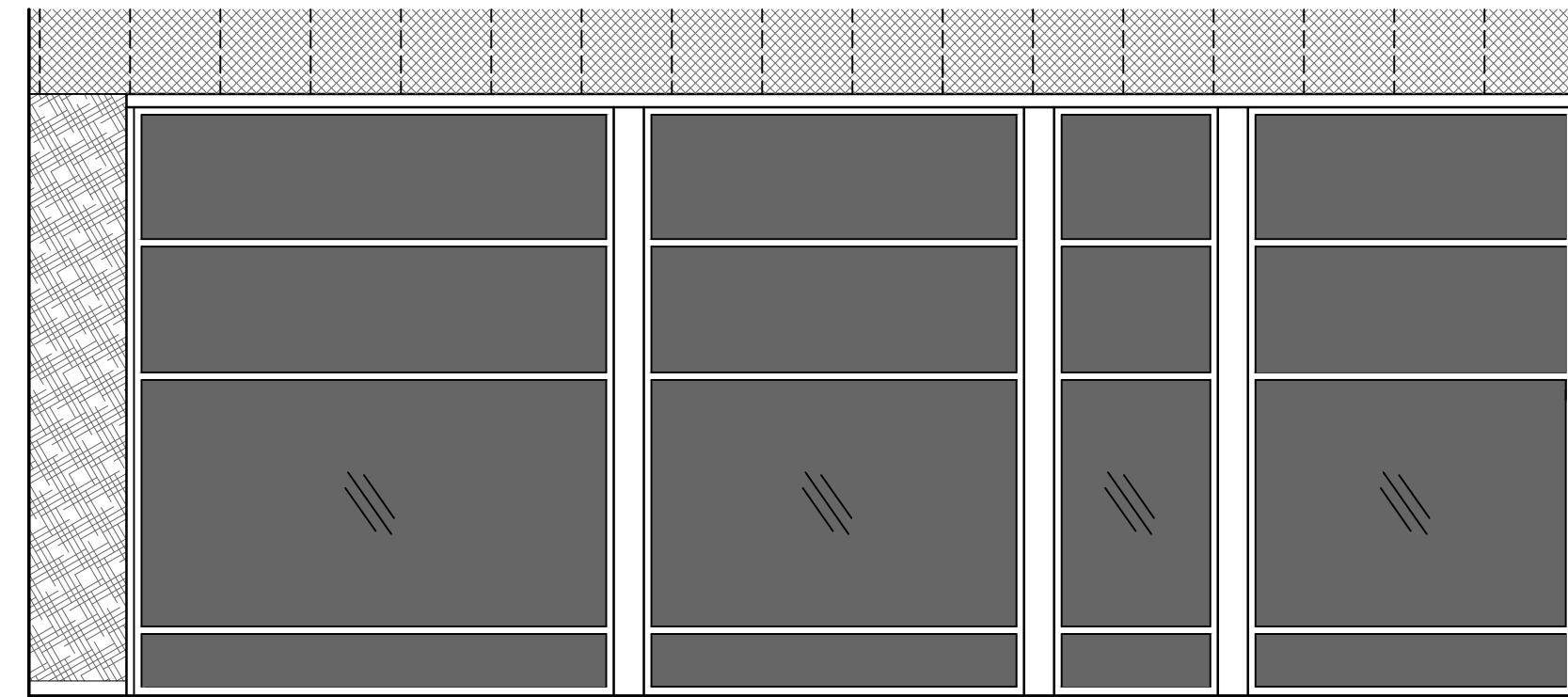
CEILING PLAN
A3.1

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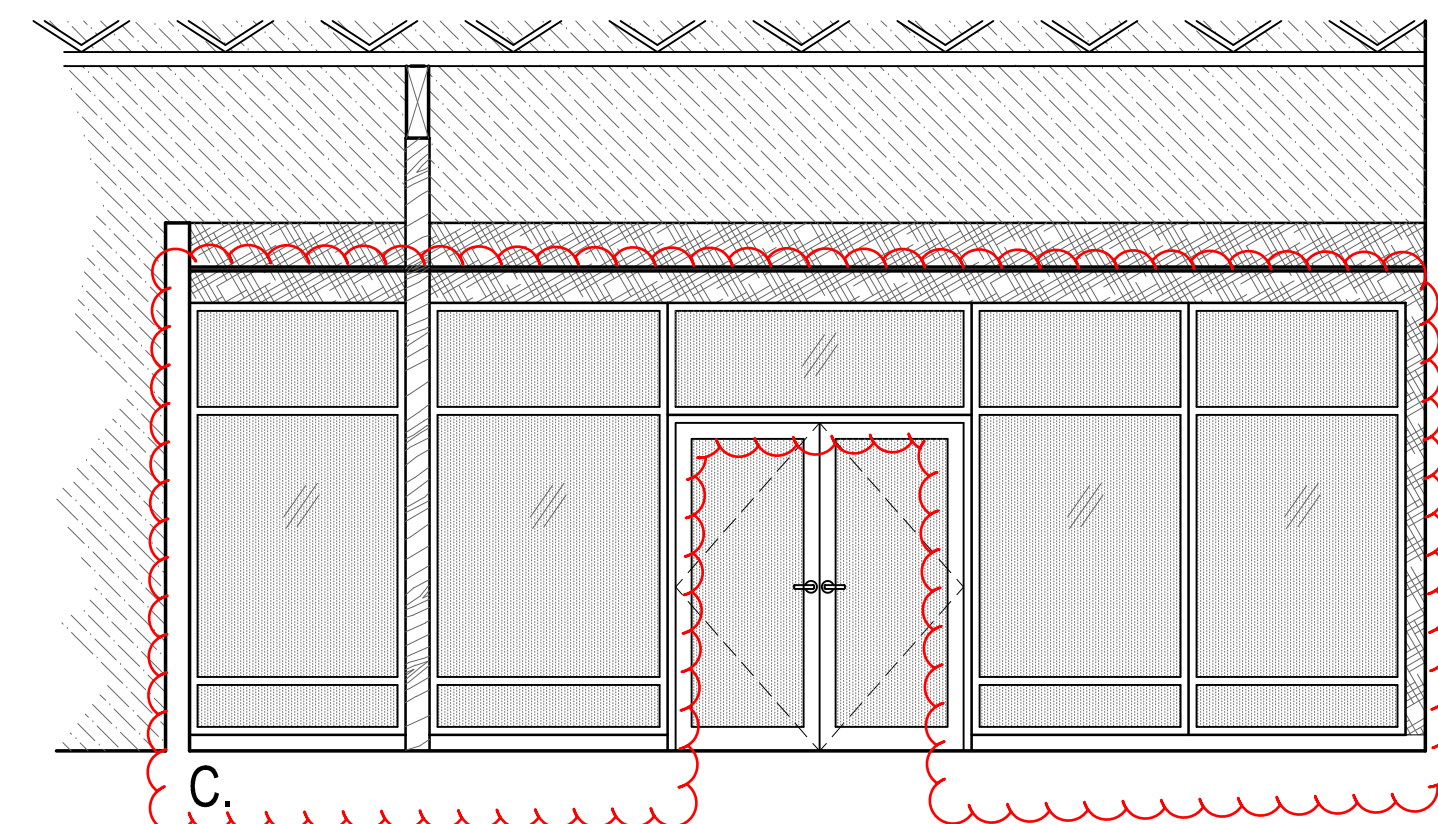
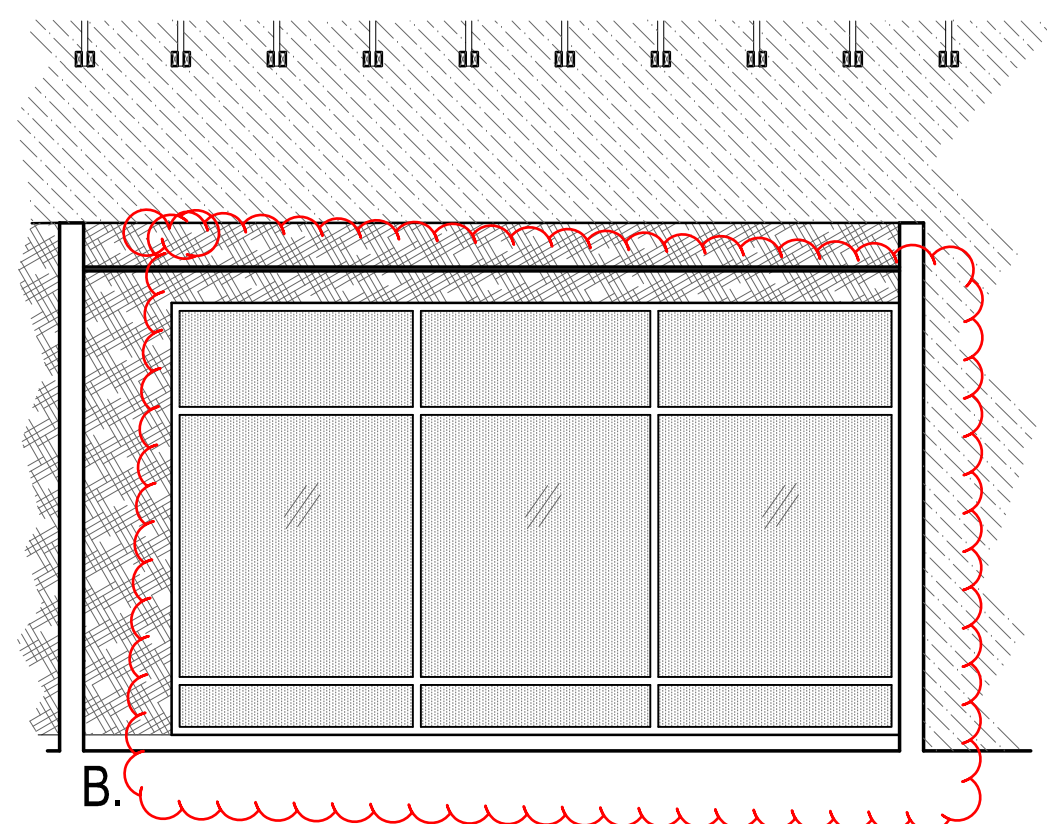
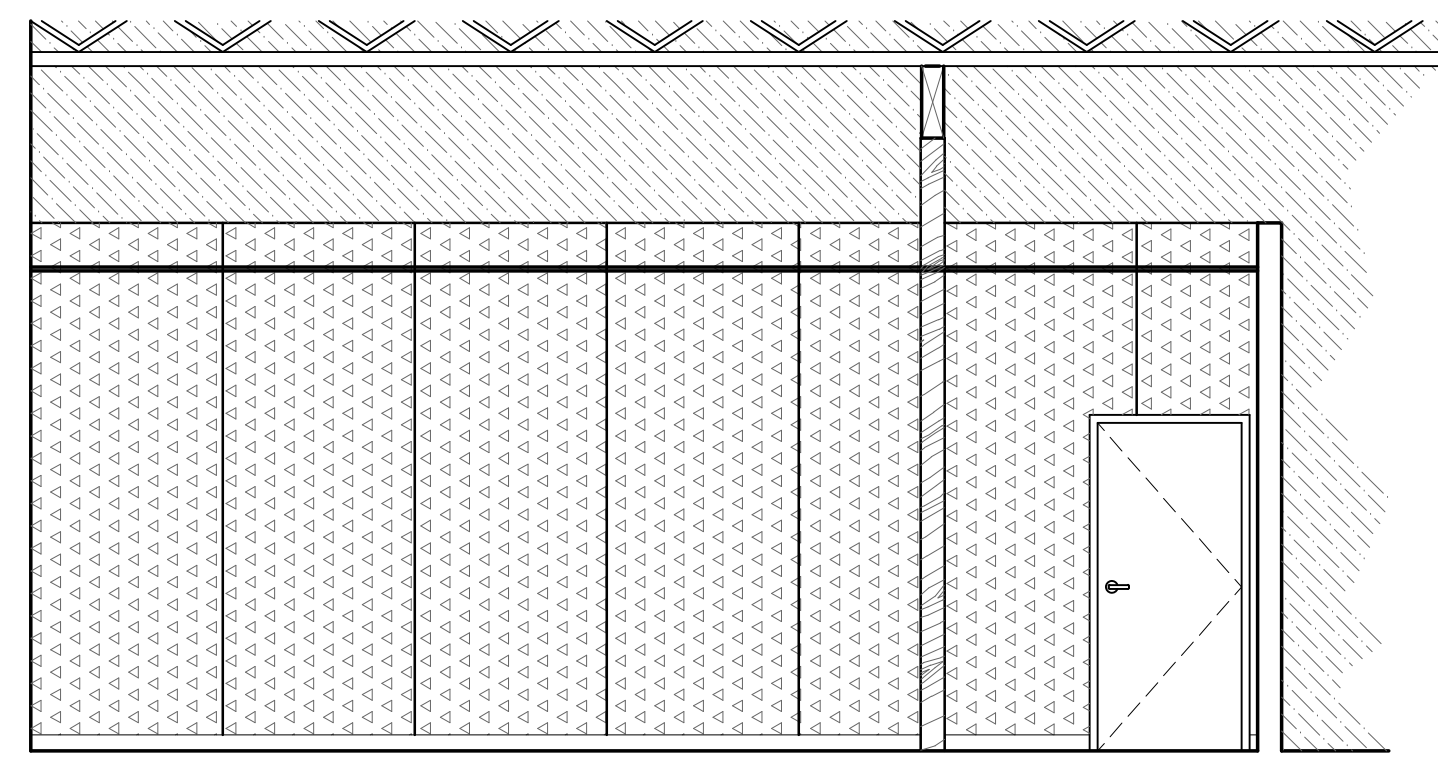


1
 A4.0 **ELEVATIONS AT INFORMAL WORK AREA (#L100)**
 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)

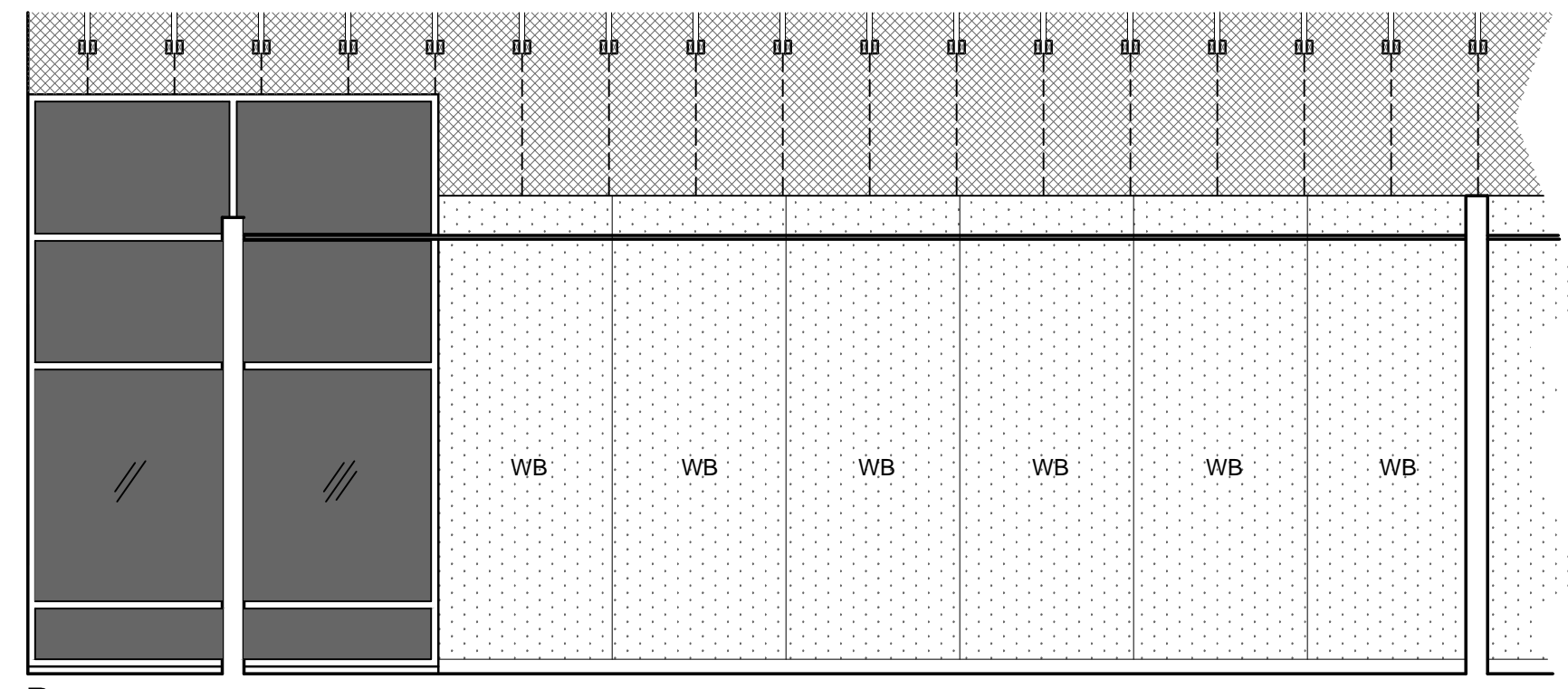


1
 A4.0 **ELEVATIONS AT INFORMAL WORK AREA (#L100), CONT.**
 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)

2
 A4.0 **ELEVATIONS AT CIRCULATION 1 (#H101)**
 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



3
 A4.0 **ELEVATIONS AT WAR ROOM (#101)**
 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



3
 A4.0 **ELEVATIONS AT WAR ROOM (#101), CONTINUED**
 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)

ELEVATION MATERIAL LEGEND	
	OPEN TO BEYOND
	(E) WOOD STRUCTURE OR NEW PLYWOOD
	SINGLE PANE INTERIOR GLAZING
	INSULATED EXTERIOR GLAZING
	SEALED OSB
	NEW GWB CONSTRUCTION
	BLACKBOARD -or- WHITEBOARD
	TACK BOARD
	CLEAR CORRUGATED PLASTIC
	EXPOSED FOIL FACED INSULATION
	PORCELAIN WALL TILE
	EXISTING MASONRY TO REMAIN

942 OLIVE STREET

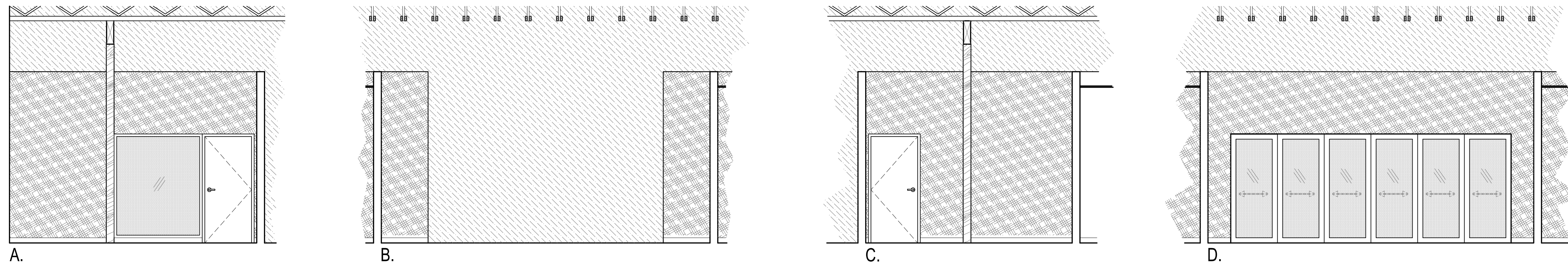
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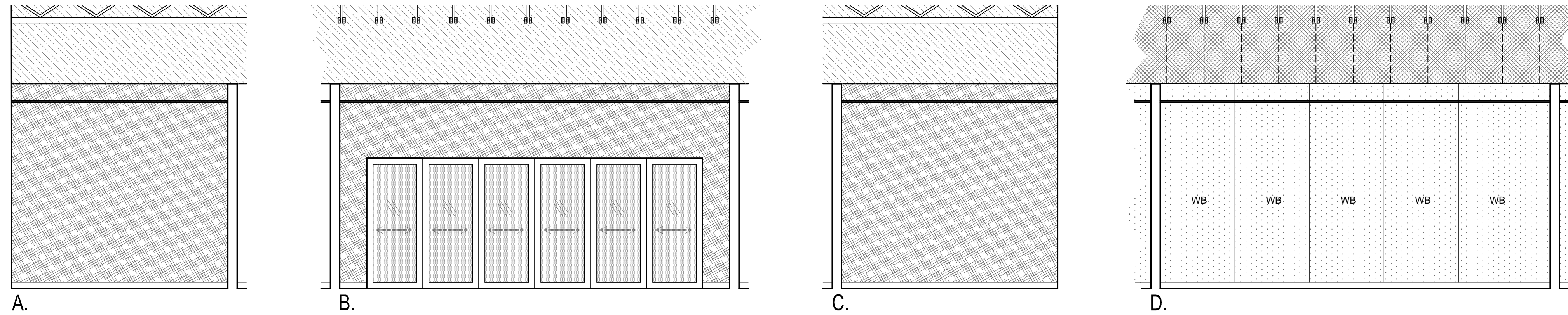
SHEET
 INTERIOR ELEVATIONS
A4.0
 PERMIT SET
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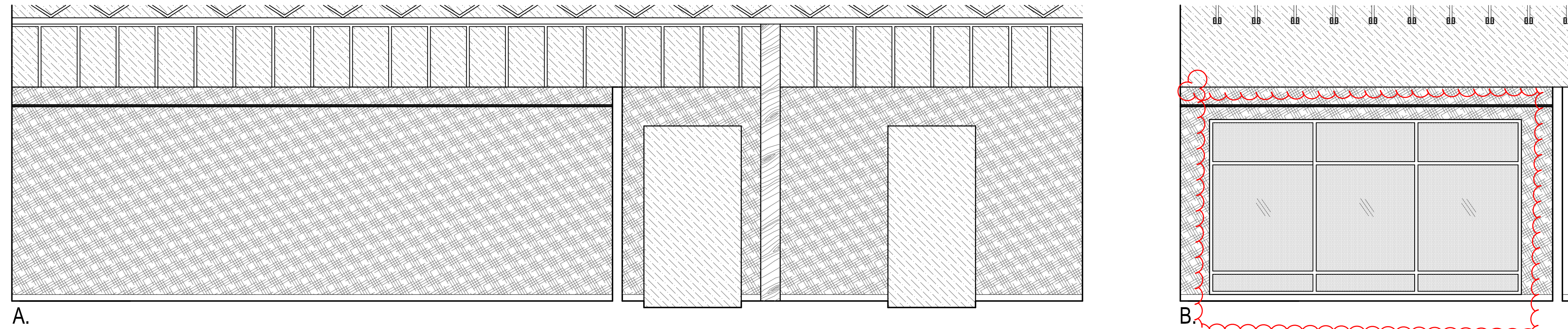
1 ELEVATIONS AT OPEN OFFICE (#102A)

A4.1 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



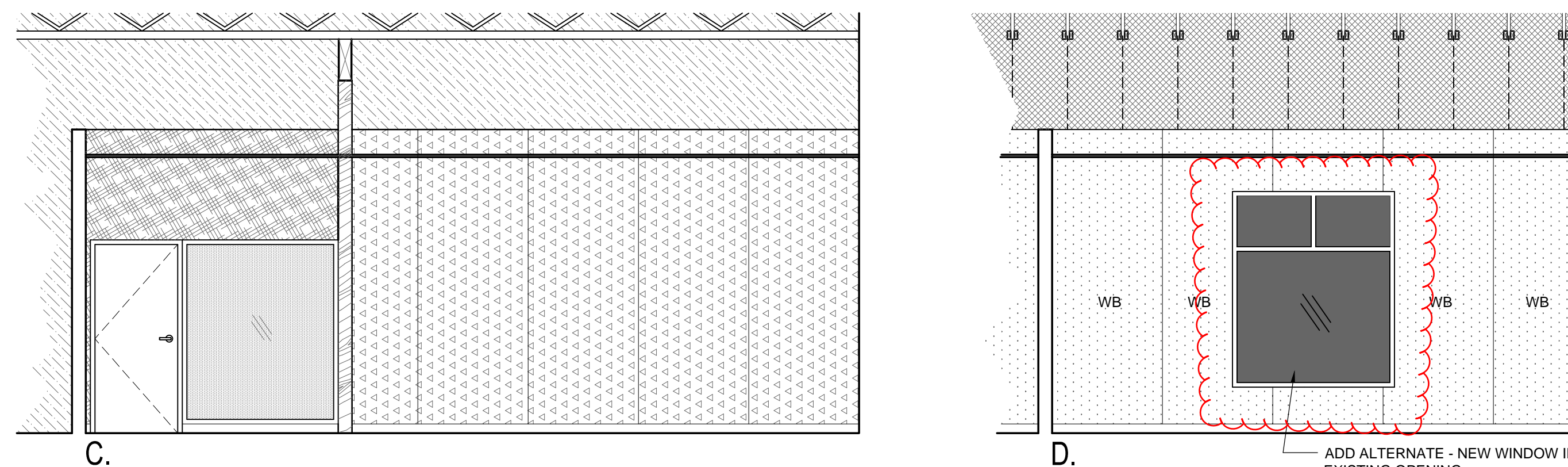
2 ELEVATIONS AT INVENTION GREEN SPACE OFFICE (#102B)

A4.1 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



3 ELEVATIONS AT LARGE CONFERENCE ROOM (#103)

A4.1 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



3 ELEVATIONS AT LARGE CONFERENCE ROOM (#103), CONTINUED

A4.1 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)

ELEVATION MATERIAL LEGEND	
	OPEN TO BEYOND
	(E) WOOD STRUCTURE OR NEW PLYWOOD
	SINGLE PANE INTERIOR GLAZING
	INSULATED EXTERIOR GLAZING
	SEALED OSB
	NEW GWB CONSTRUCTION
	BLACKBOARD -or- WHITEBOARD
	TACK BOARD
	CLEAR CORRUGATED PLASTIC
	EXPOSED FOIL FACED INSULATION
	PORCELAIN WALL TILE
	EXISTING MASONRY TO REMAIN

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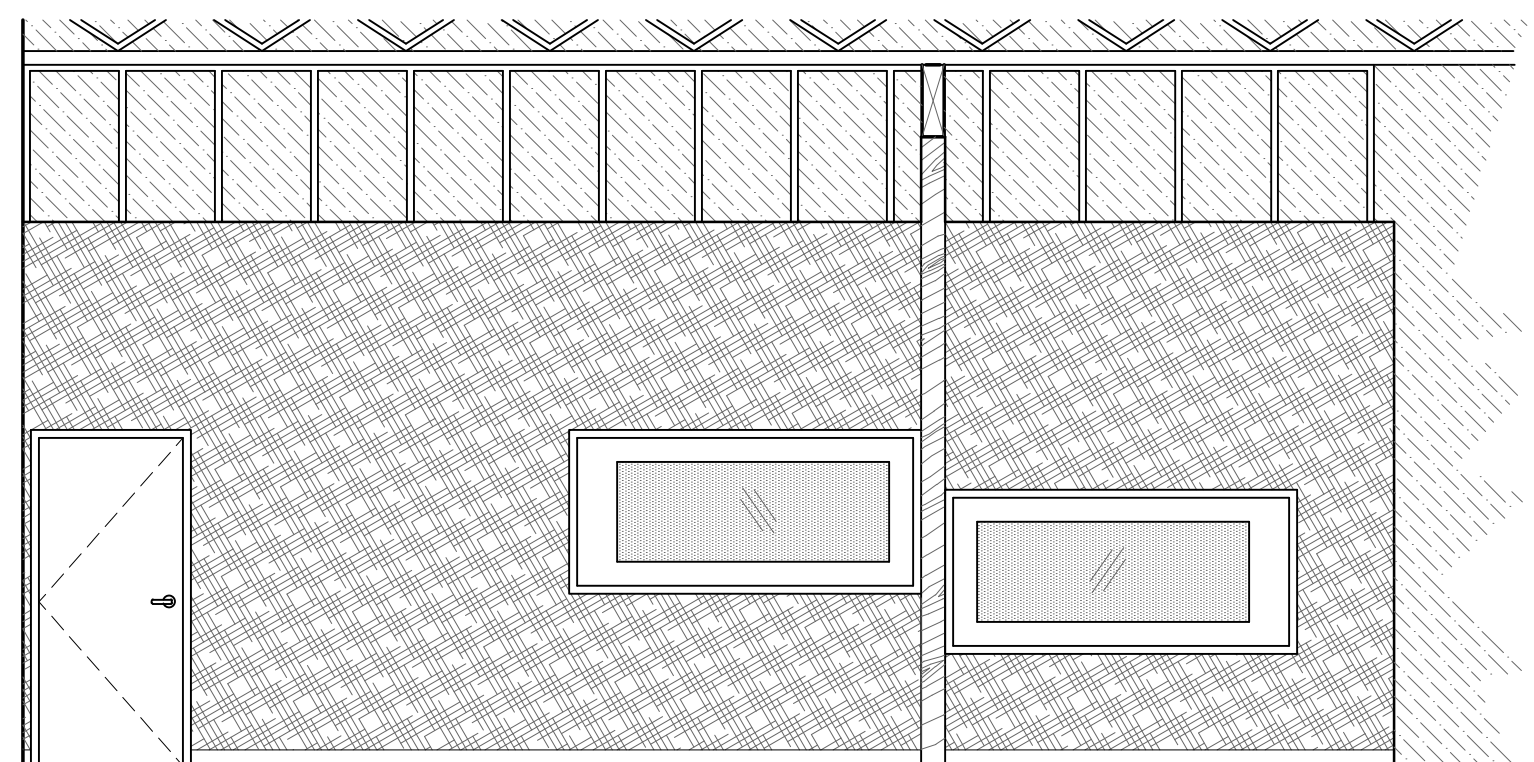
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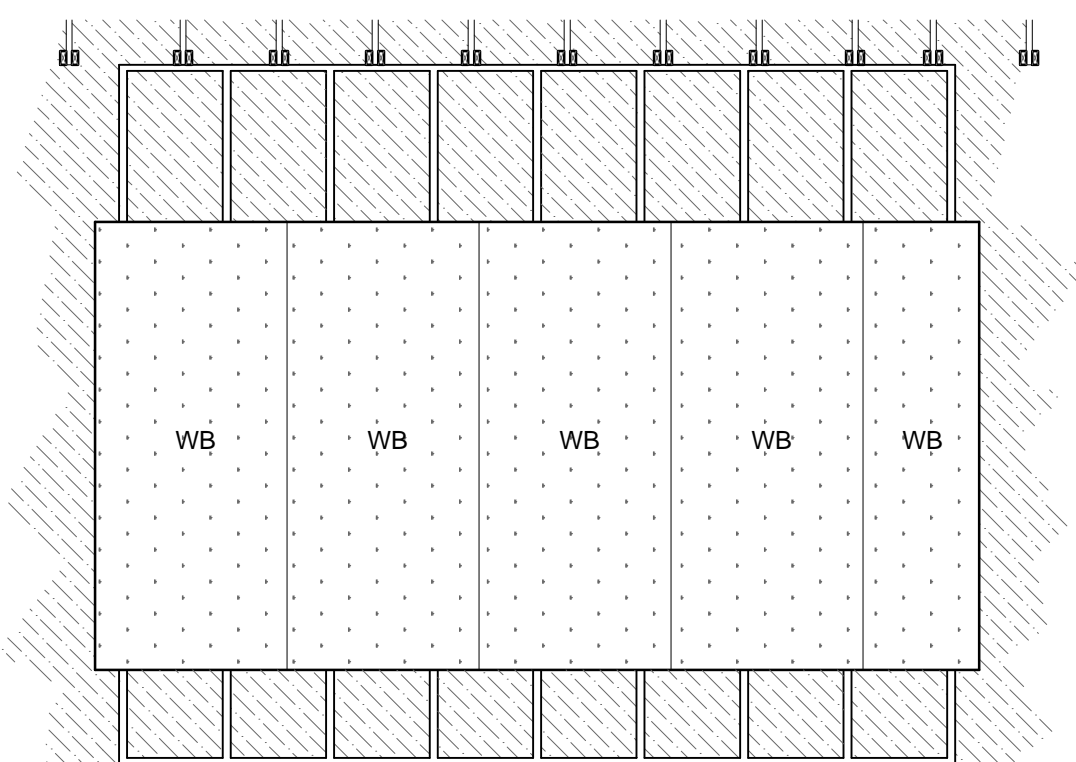
SHEET
 INTERIOR ELEVATIONS
A4.1

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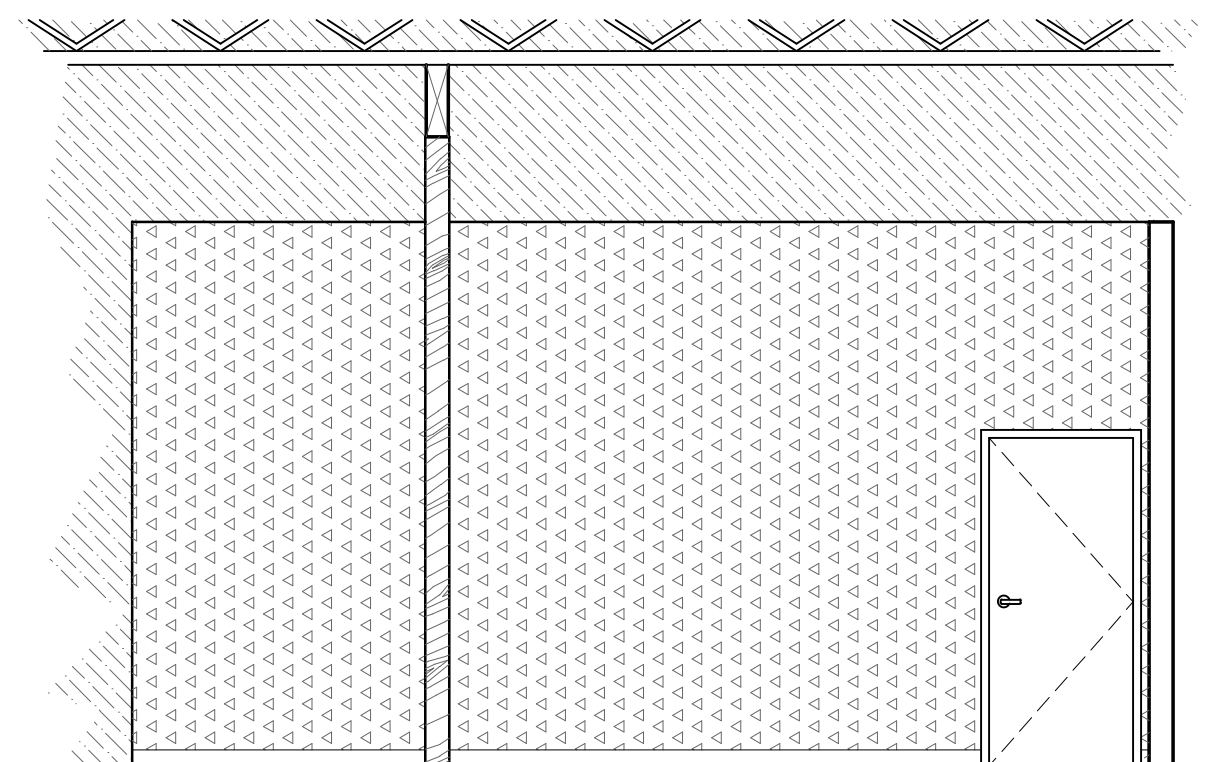
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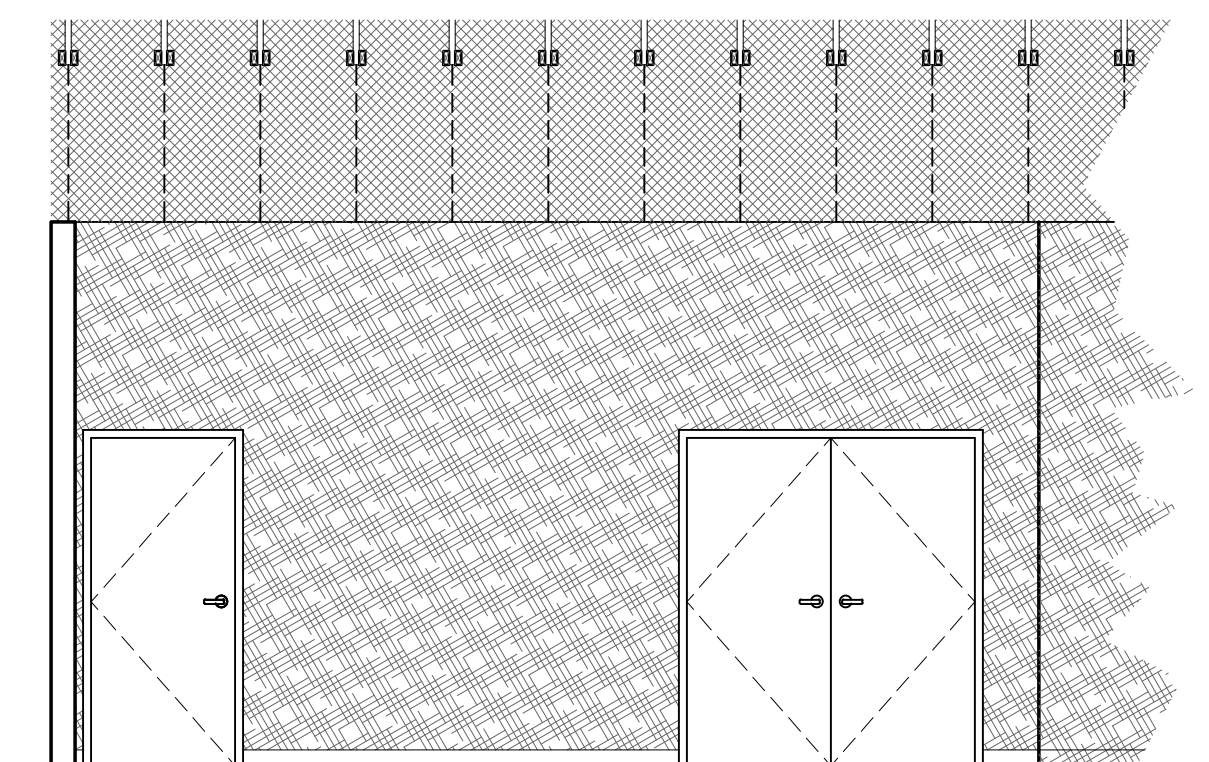
1
 A4.2 ELEVATIONS AT FLEX SPACE (#104)
 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



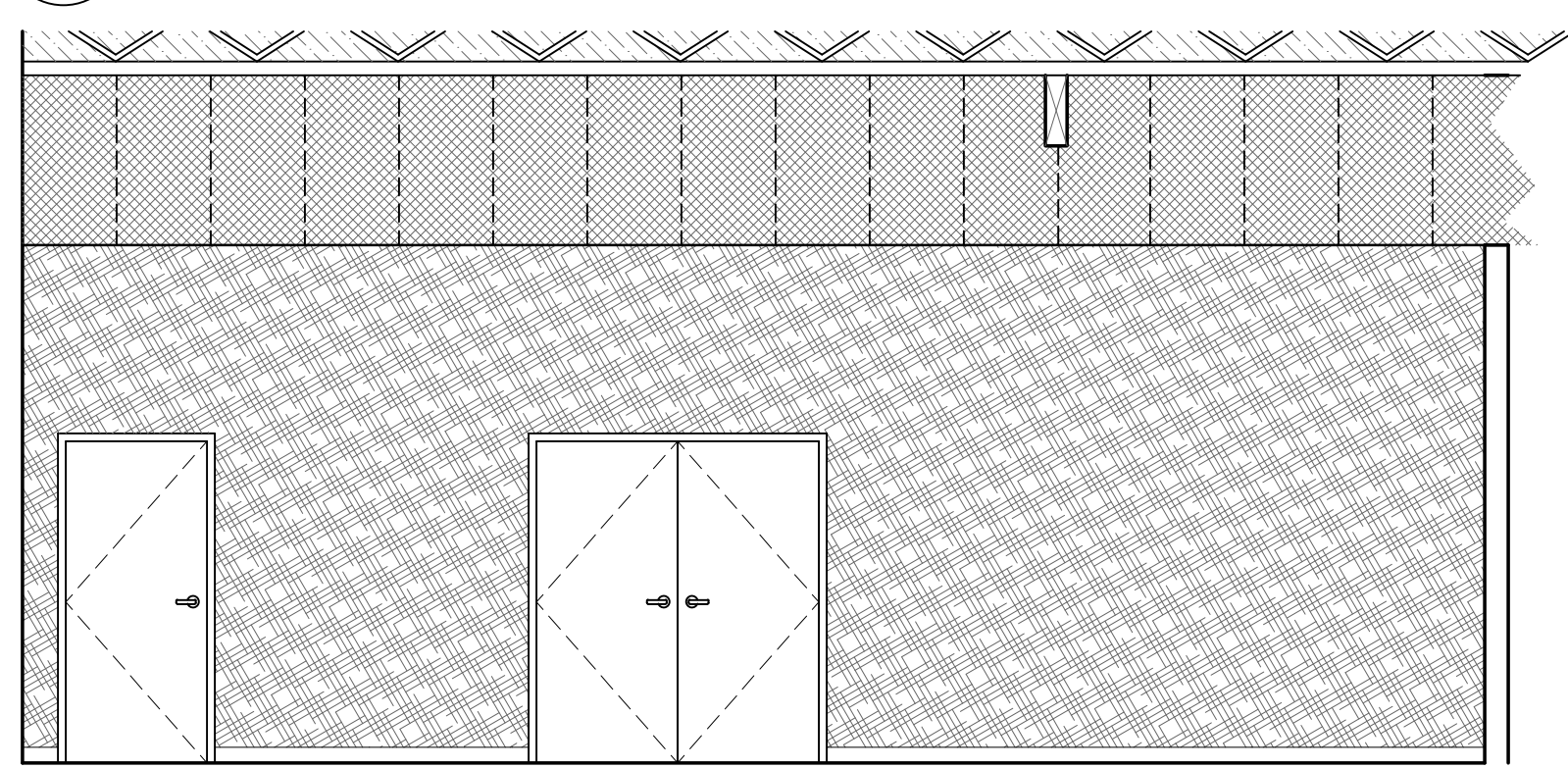
B.



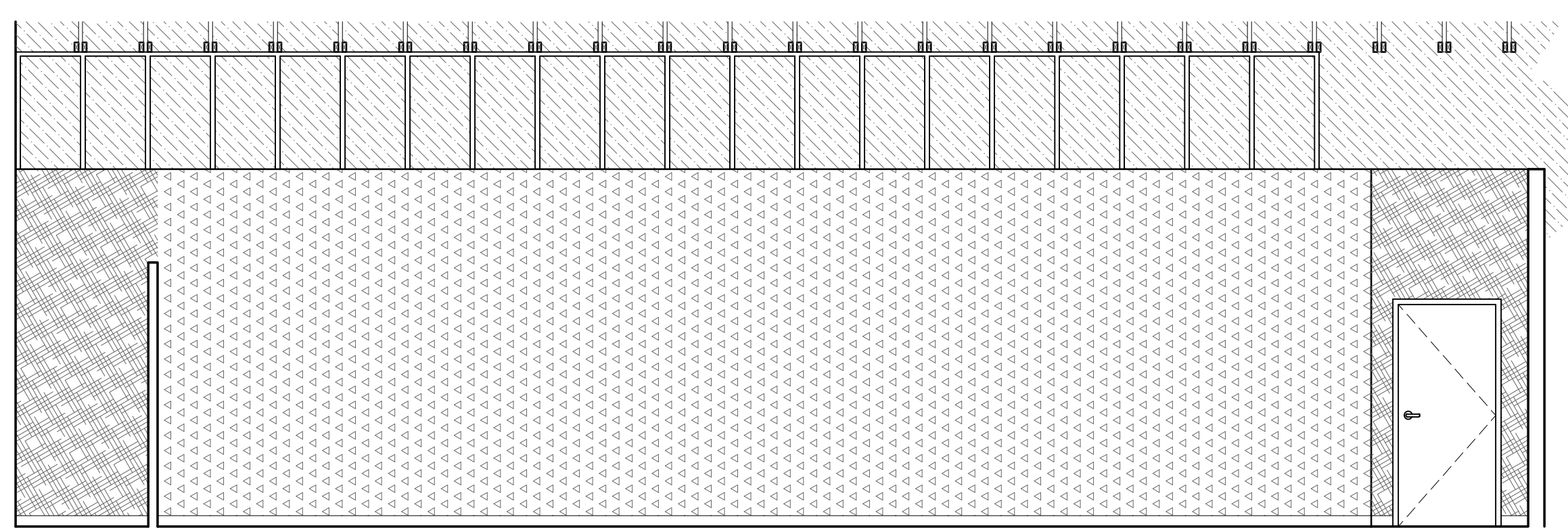
C.



D.

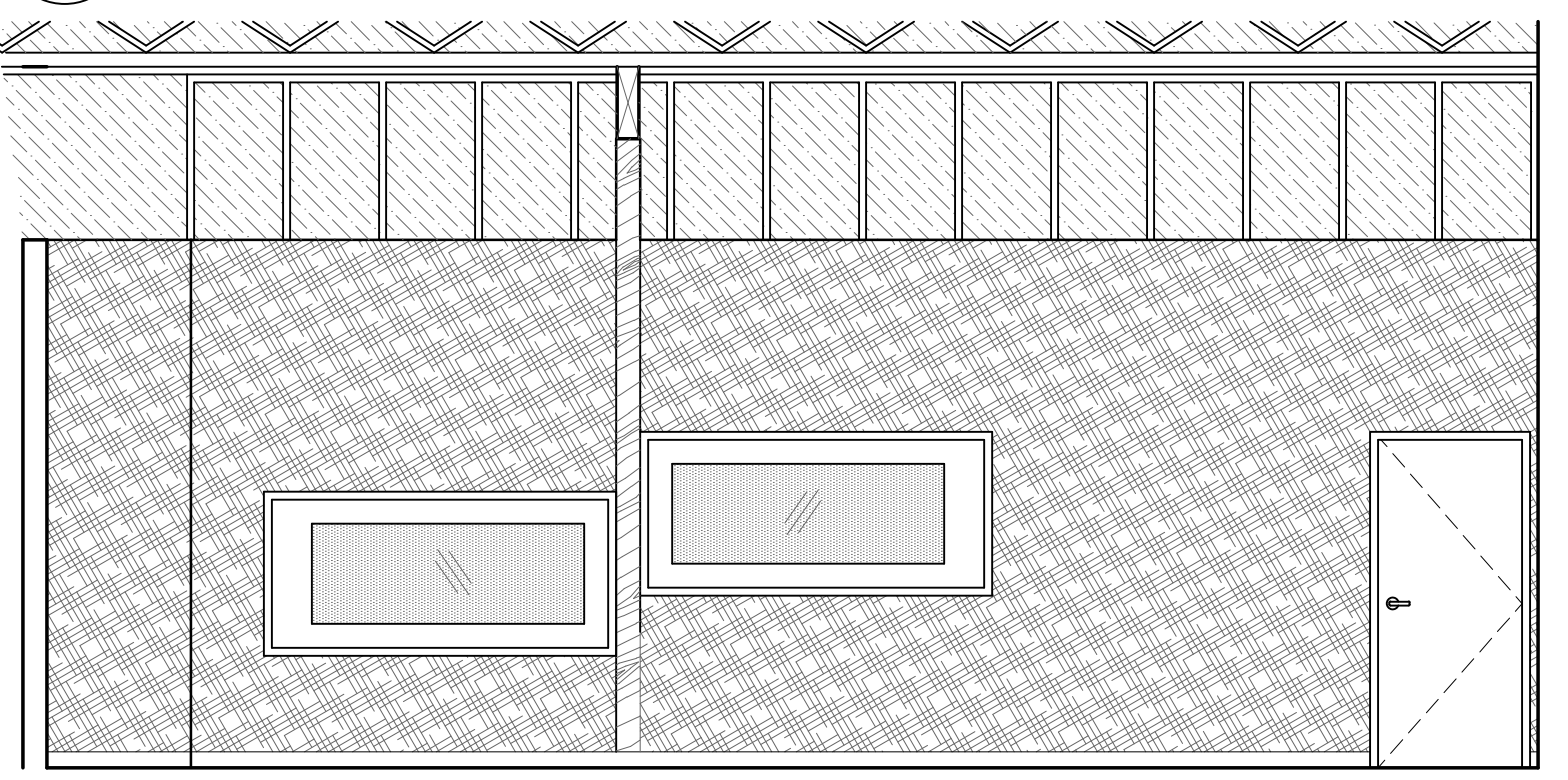


2
 A4.2 ELEVATIONS AT DESIGN STUDIO (#105)
 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)

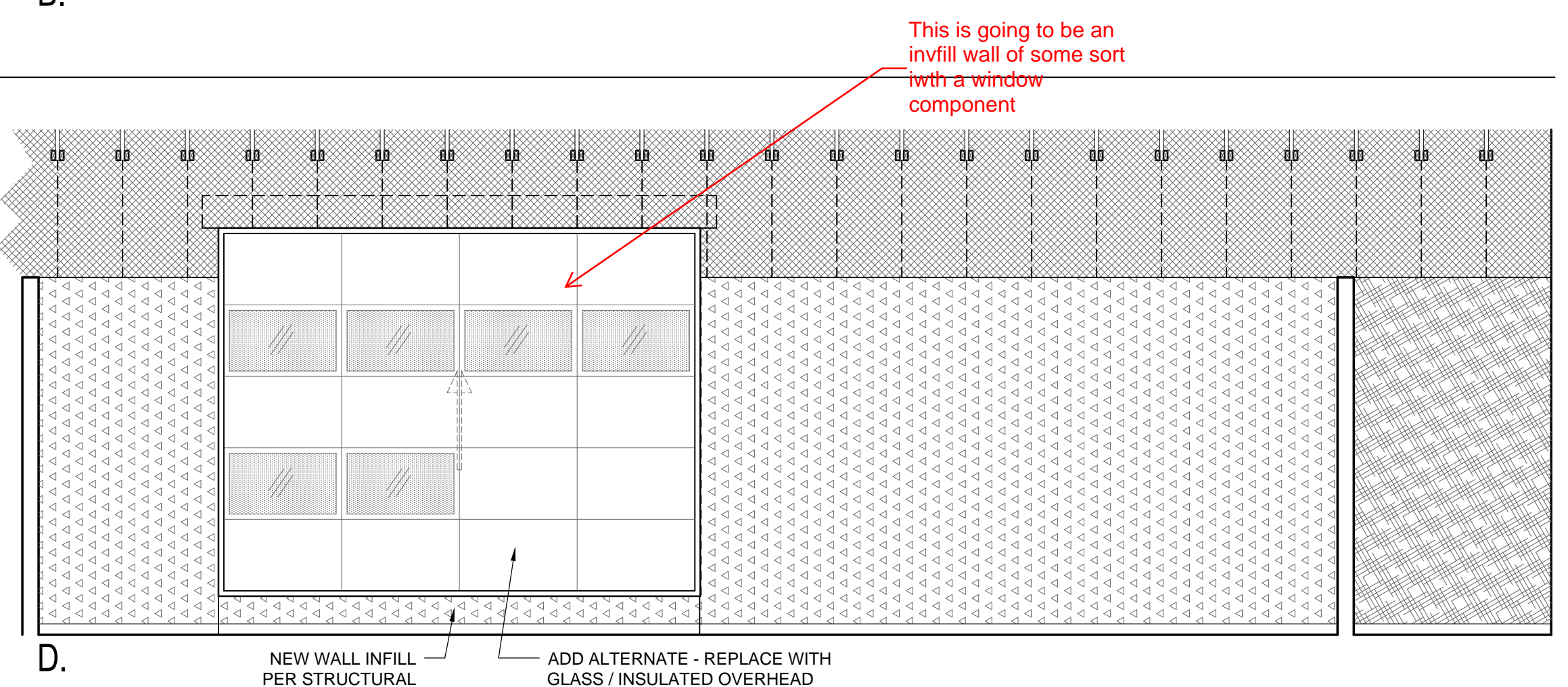


B.

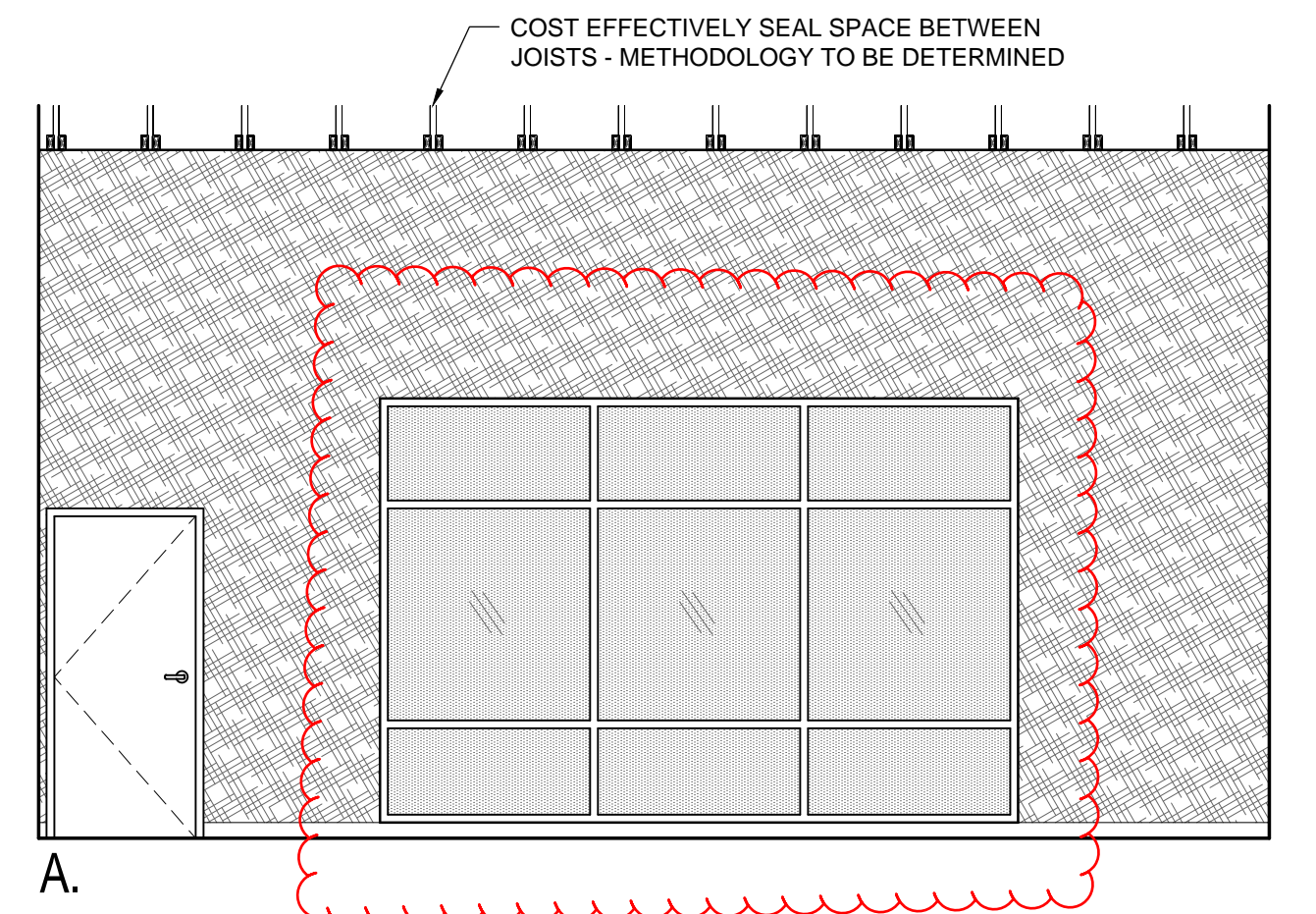
NOTE:
 REFER TO SHEET A.1
 FOR TYPICAL INTERIOR
 ELEVATIONS MATERIAL
 GRAPHIC LEGEND



C.

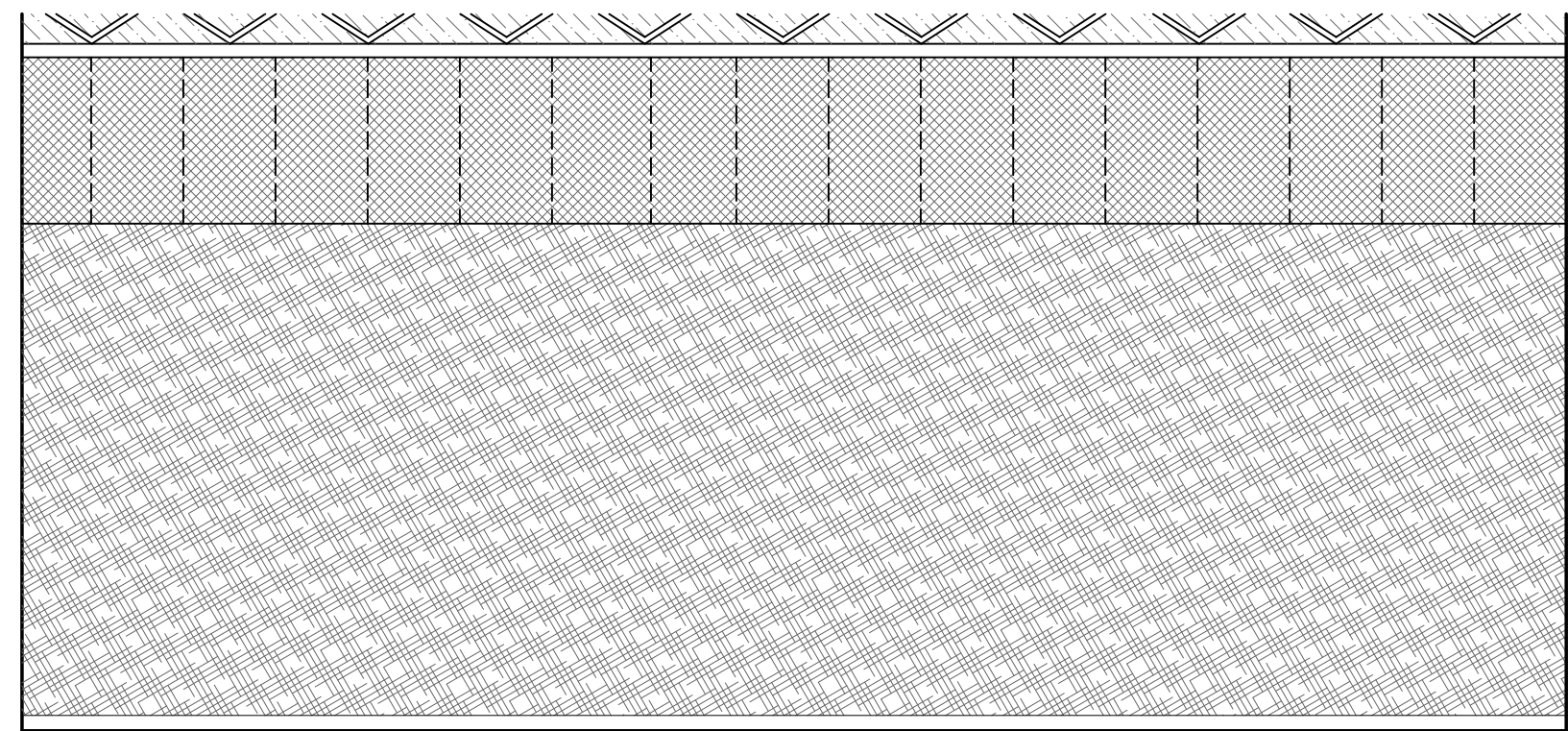


D. NEW WALL INFILL PER STRUCTURAL ADD ALTERNATE - REPLACE WITH GLASS / INSULATED OVERHEAD DOOR

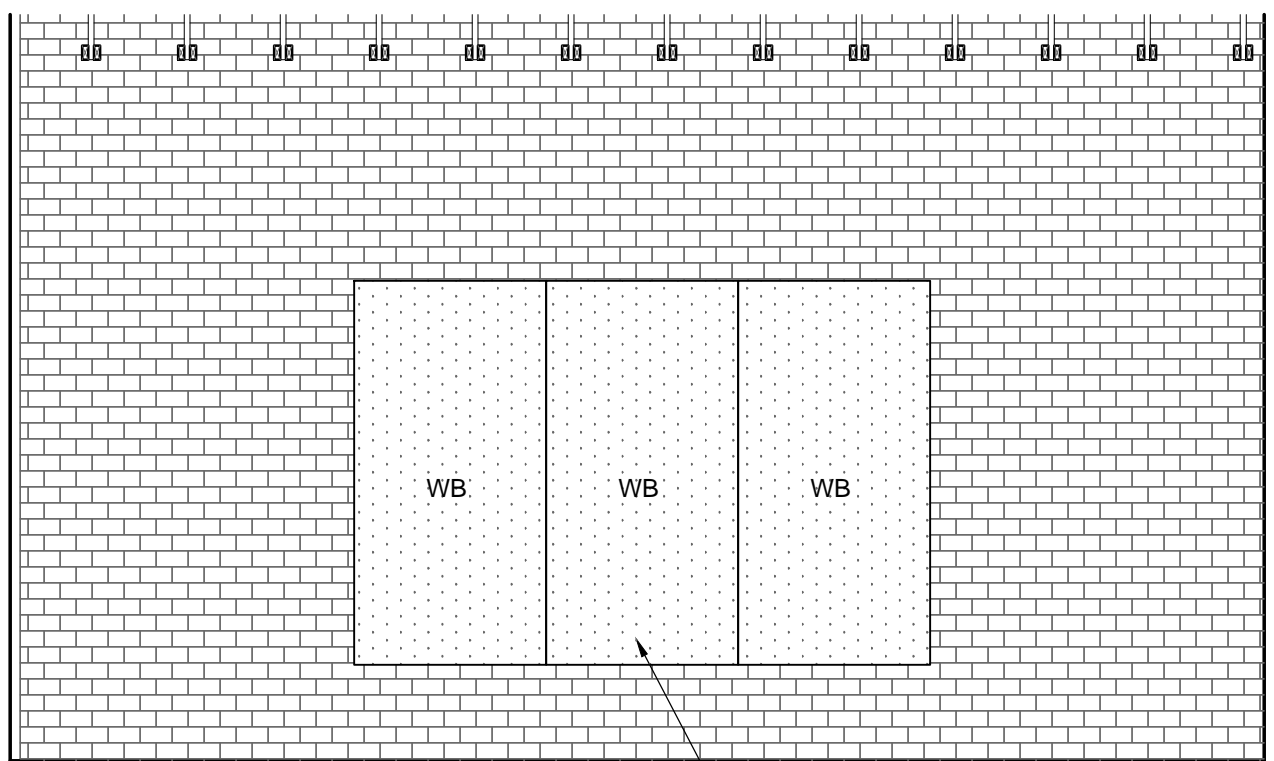


3
 A4.2 ELEVATIONS AT COMPUTER LAB (#106)
 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)

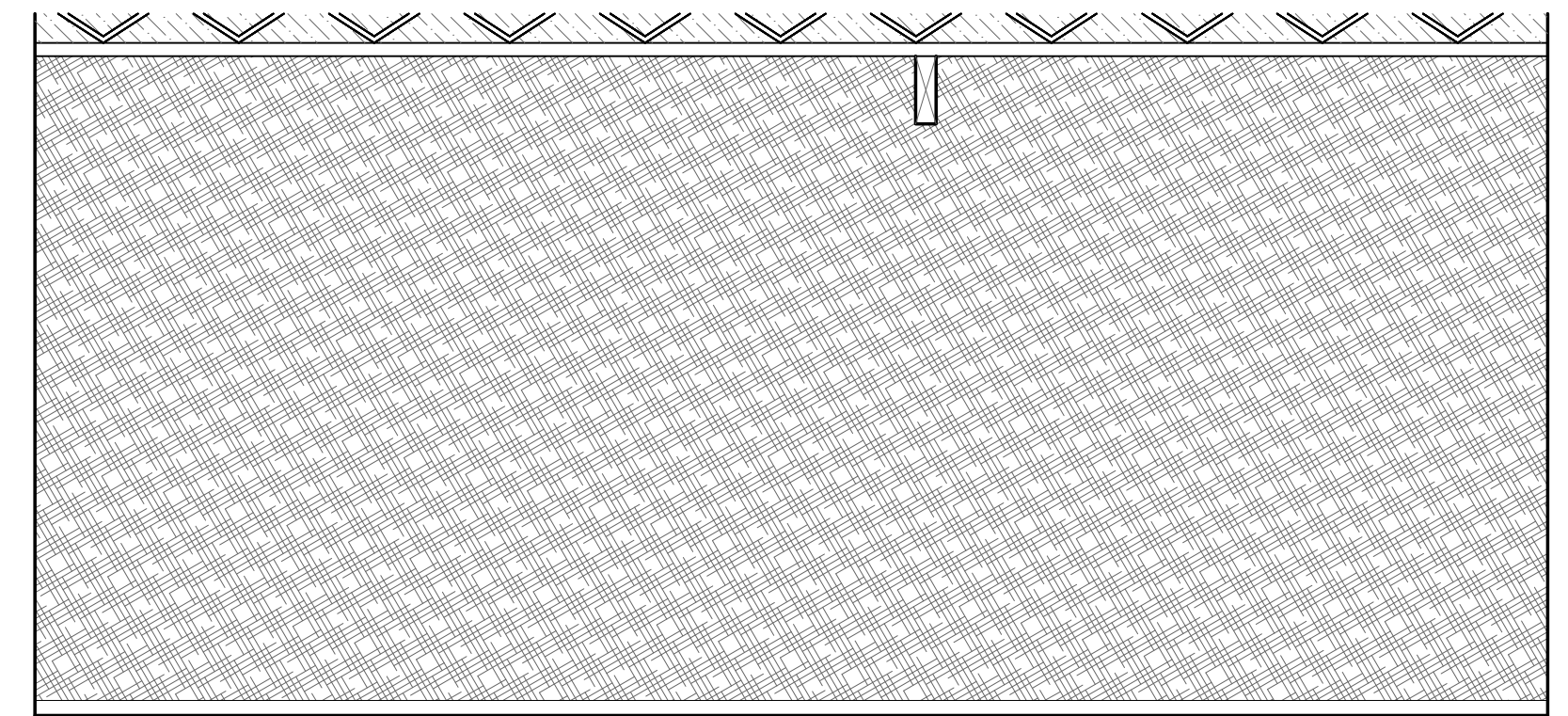
2
 A4.2 ELEVATIONS AT DESIGN STUDIO (#105), CONTINUED
 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



B.



C. WHITEBOARD PANELS ON 2x4 FURRING



D.

3
 A4.2 ELEVATIONS AT COMPUTER LAB (#106), CONTINUED
 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)

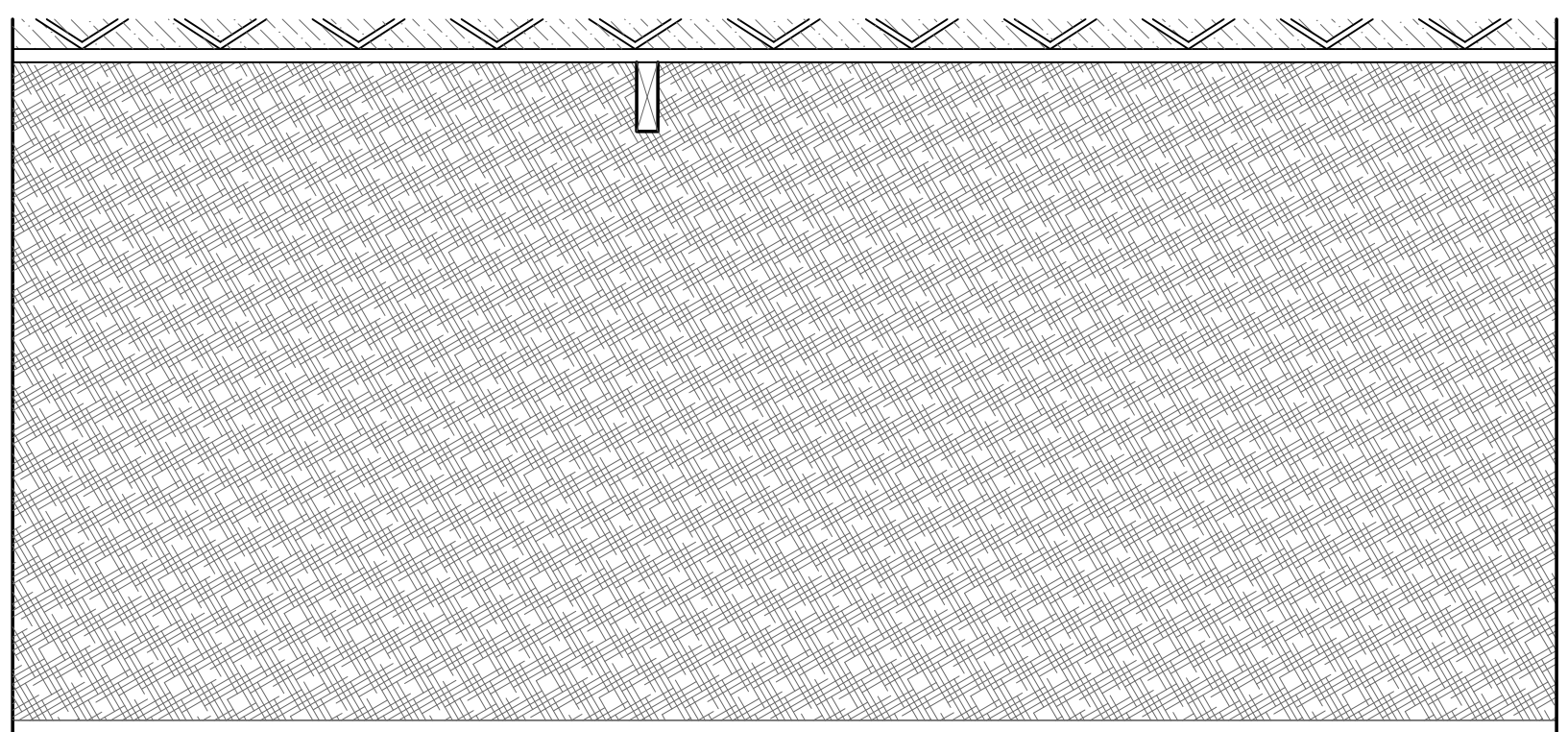
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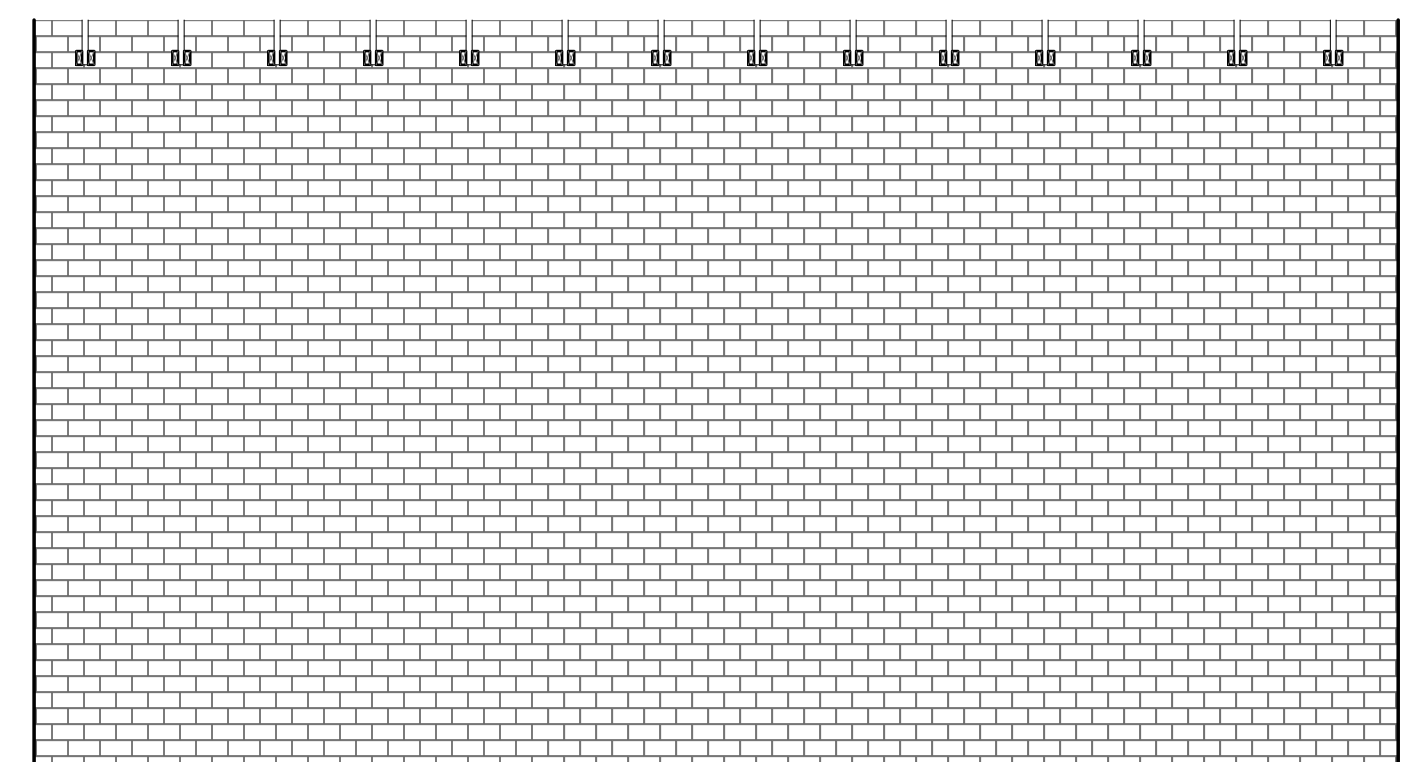
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SHEET
 INTERIOR
 ELEVATIONS
 A4.2
 PERMIT SET
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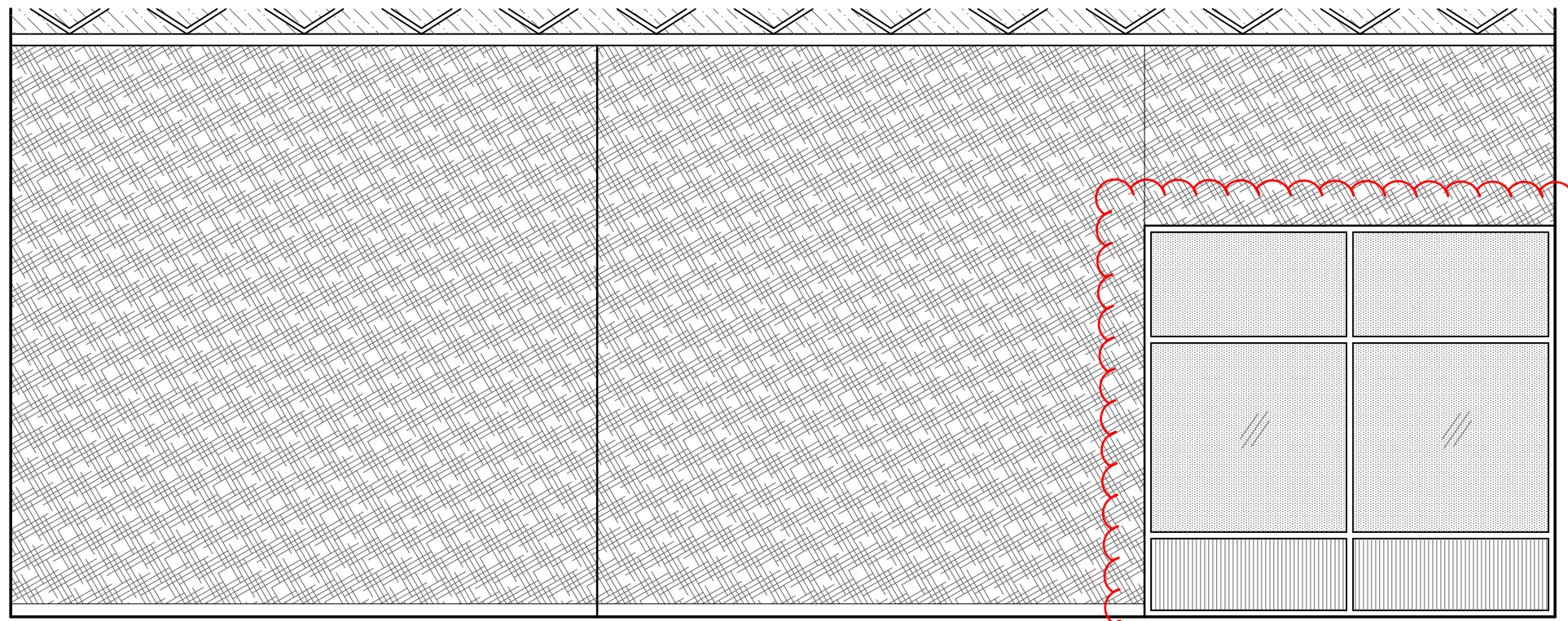
A.



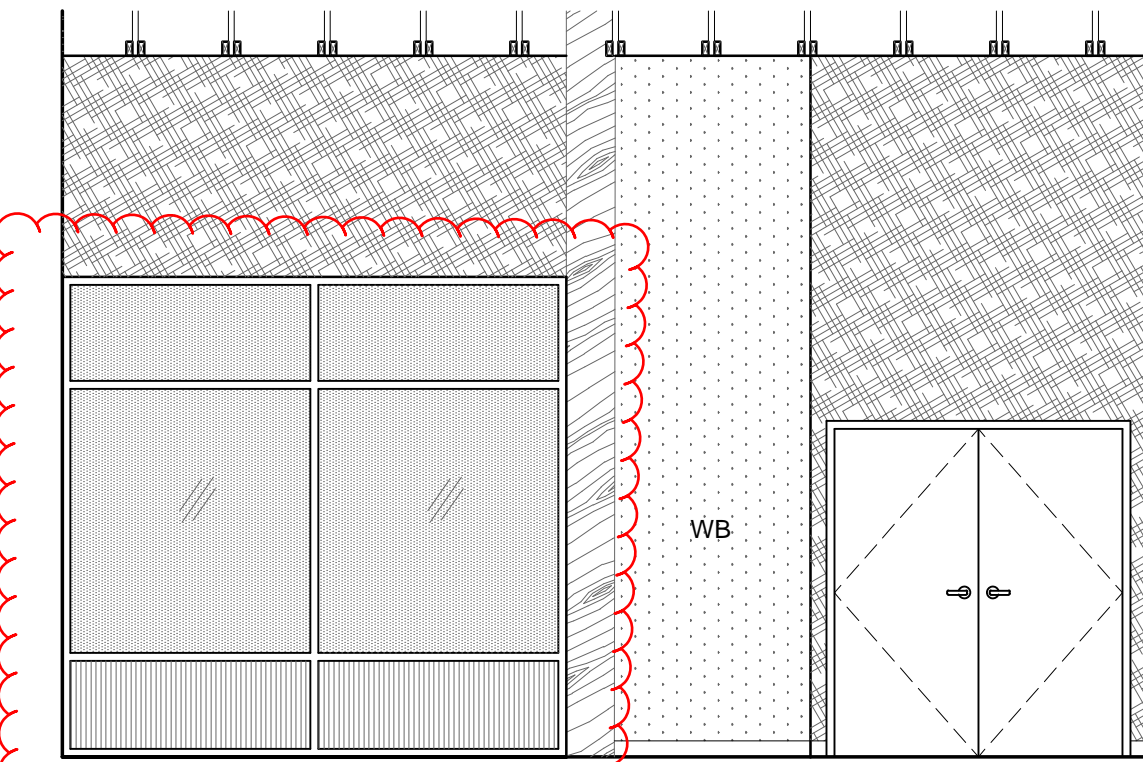
B.

1 ELEVATIONS AT 3D PRINTERS / POLYMERS SHOP (#107)

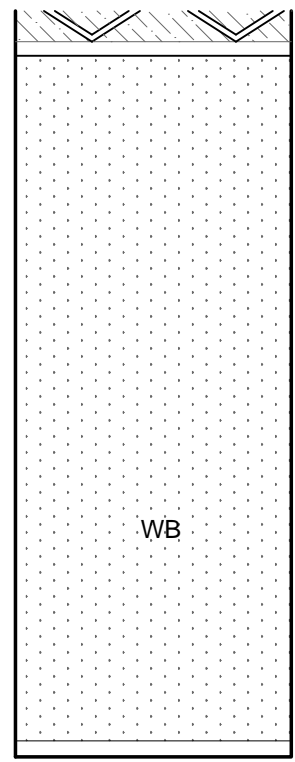
A4.3 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



C.



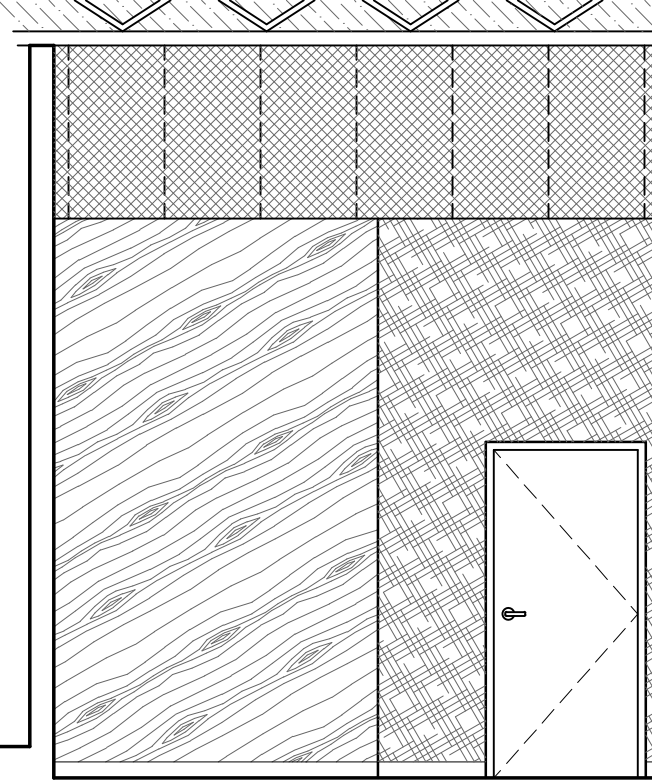
D.



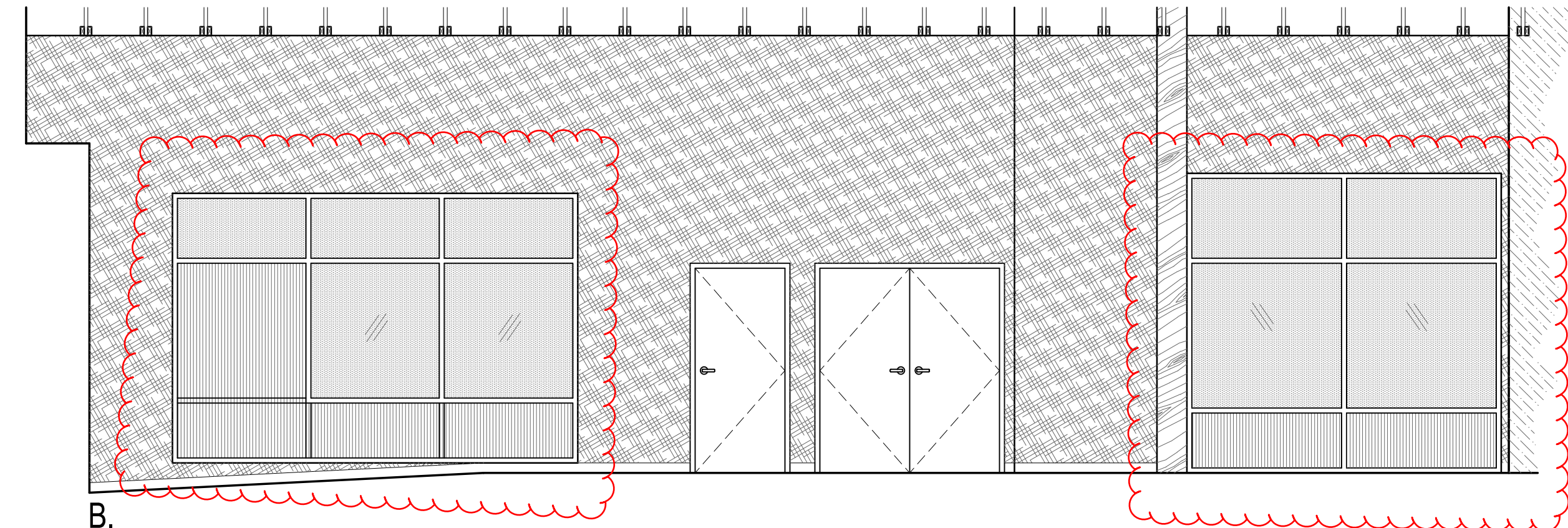
E.

1 ELEVATIONS AT 3D PRINTERS / POLYMERS SHOP, CONTINUED (#107)

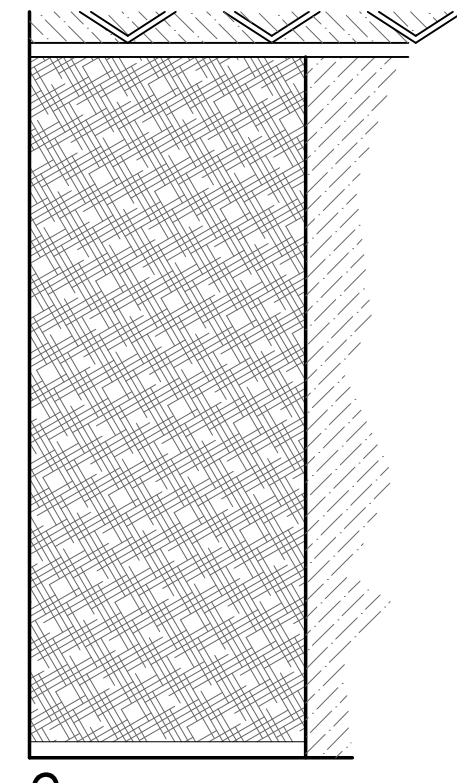
A4.3 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



A.



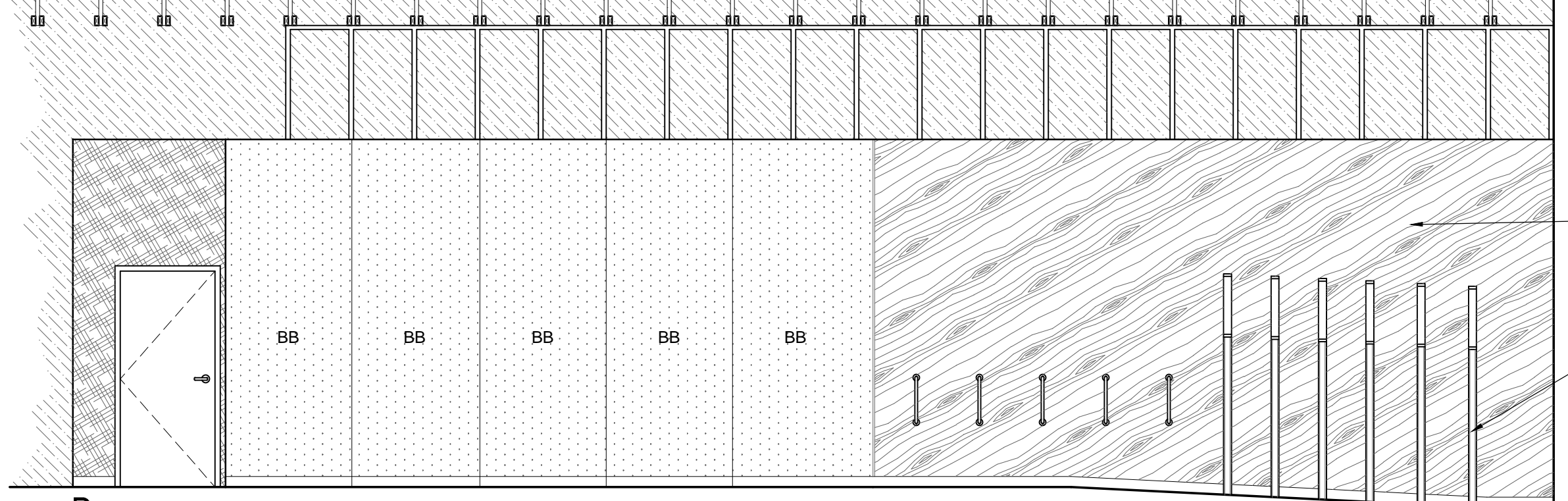
B.



C.

2 ELEVATIONS AT CIRCULATION 2 (#H108)

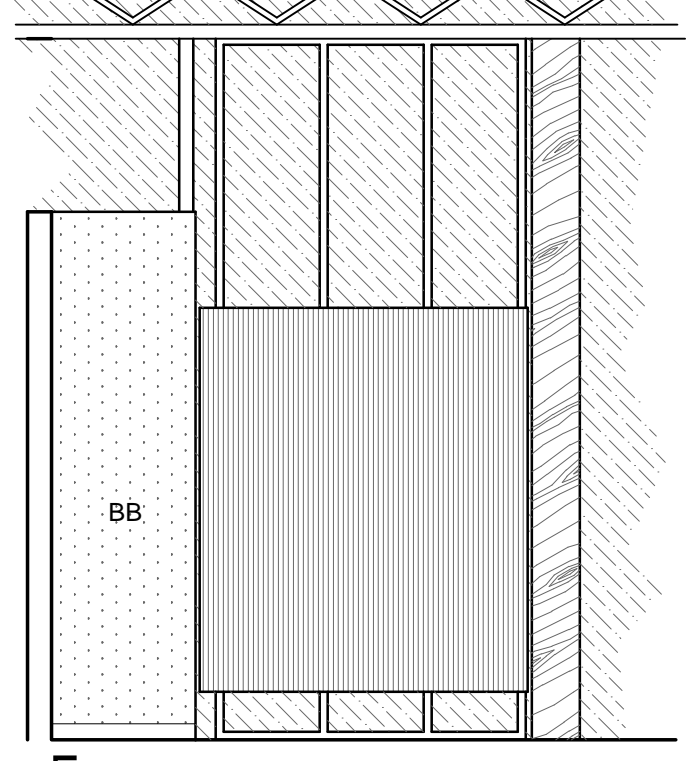
A4.3 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



D.

PATTERN INDICATES 3/4" PLYWOOD INSTEAD OF OSB @ BIKE STORAGE AREA

(10) STEEL WALL MOUNTED BIKE RACKS, STYLE TBD



E.

2 ELEVATIONS AT CIRCULATION 2 (#H108), CONTINUED

A4.3 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)

ELEVATION MATERIAL LEGEND	
	OPEN TO BEYOND
	(E) WOOD STRUCTURE OR NEW PLYWOOD
	SINGLE PANE INTERIOR GLAZING
	INSULATED EXTERIOR GLAZING
	SEALED OSB
	NEW GWB CONSTRUCTION
	BLACKBOARD -or- WHITEBOARD
	TACK BOARD
	CLEAR CORRUGATED PLASTIC
	EXPOSED FOIL FACED INSULATION
	PORCELAIN WALL TILE
	EXISTING MASONRY TO REMAIN

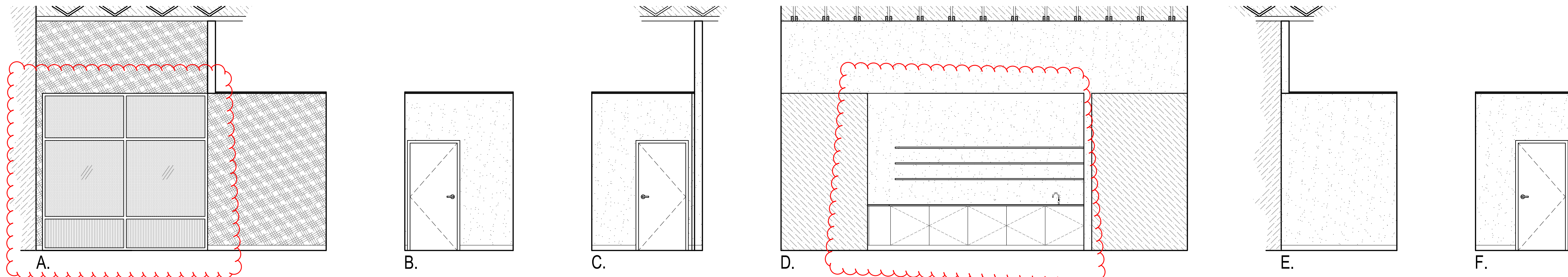
942 OLIVE STREET

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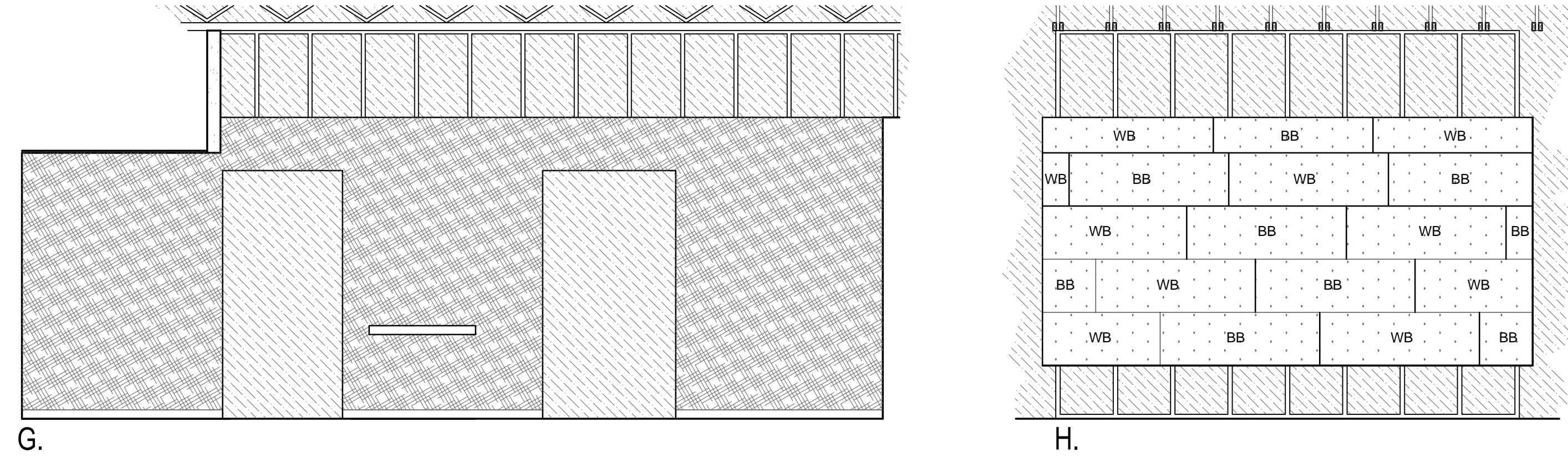


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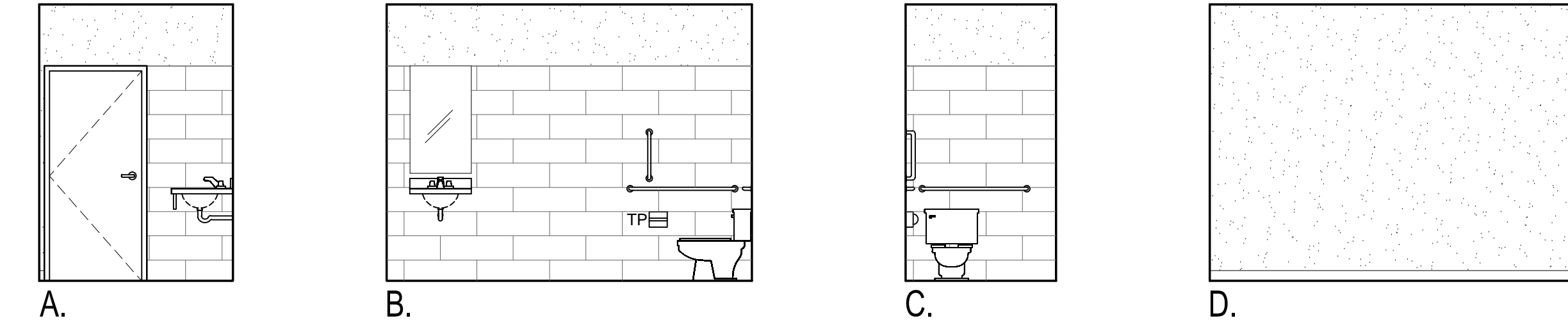
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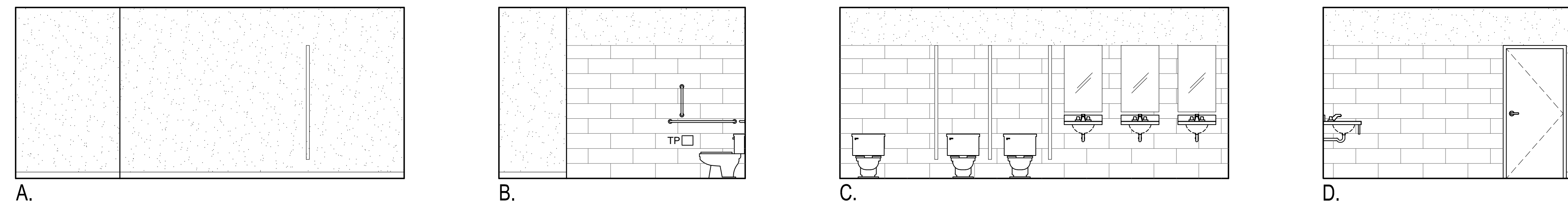
1 ELEVATIONS AT BREAK AREA (#108)
A4.4 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



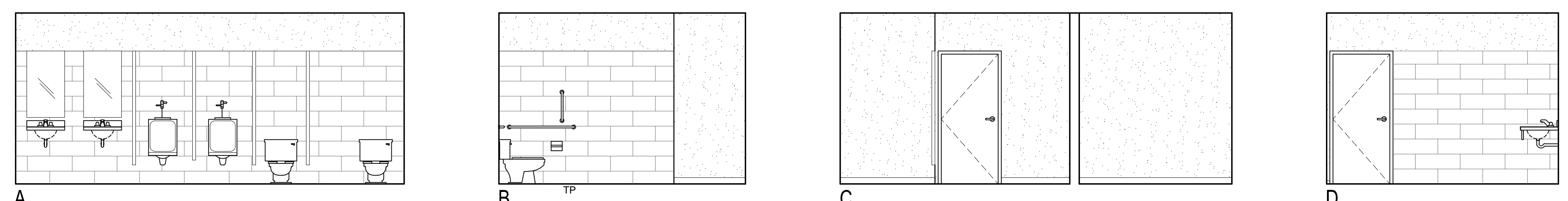
1 ELEVATIONS AT BREAK AREA (#108), CONTINUED
A4.4 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



2 ELEVATIONS AT UNISEX BATHROOM (#109)
A4.4 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



3 ELEVATIONS AT WOMEN'S BATHROOM (#110)
A4.4 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



4 ELEVATIONS AT MEN'S BATHROOM (#111), CONT.
A4.4 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)

ELEVATION MATERIAL LEGEND	
	OPEN TO BEYOND
	(E) WOOD STRUCTURE OR NEW PLYWOOD
	SINGLE PANE INTERIOR GLAZING
	INSULATED EXTERIOR GLAZING
	SEALED OSB
	NEW GWB CONSTRUCTION
	BLACKBOARD -or- WHITEBOARD
	TACK BOARD
	CLEAR CORRUGATED PLASTIC
	EXPOSED FOIL FACED INSULATION
	PORCELAIN WALL TILE
	EXISTING MASONRY TO REMAIN

942 OLIVE STREET

942 OLIVE STREET, EUGENE, OREGON 97401
OWNER: UNIVERSITY OF OREGON
CAMPUS PLANNING, DESIGN & CONSTRUCTION
CONTACT: MARTINA OXOBY 541.346.5880

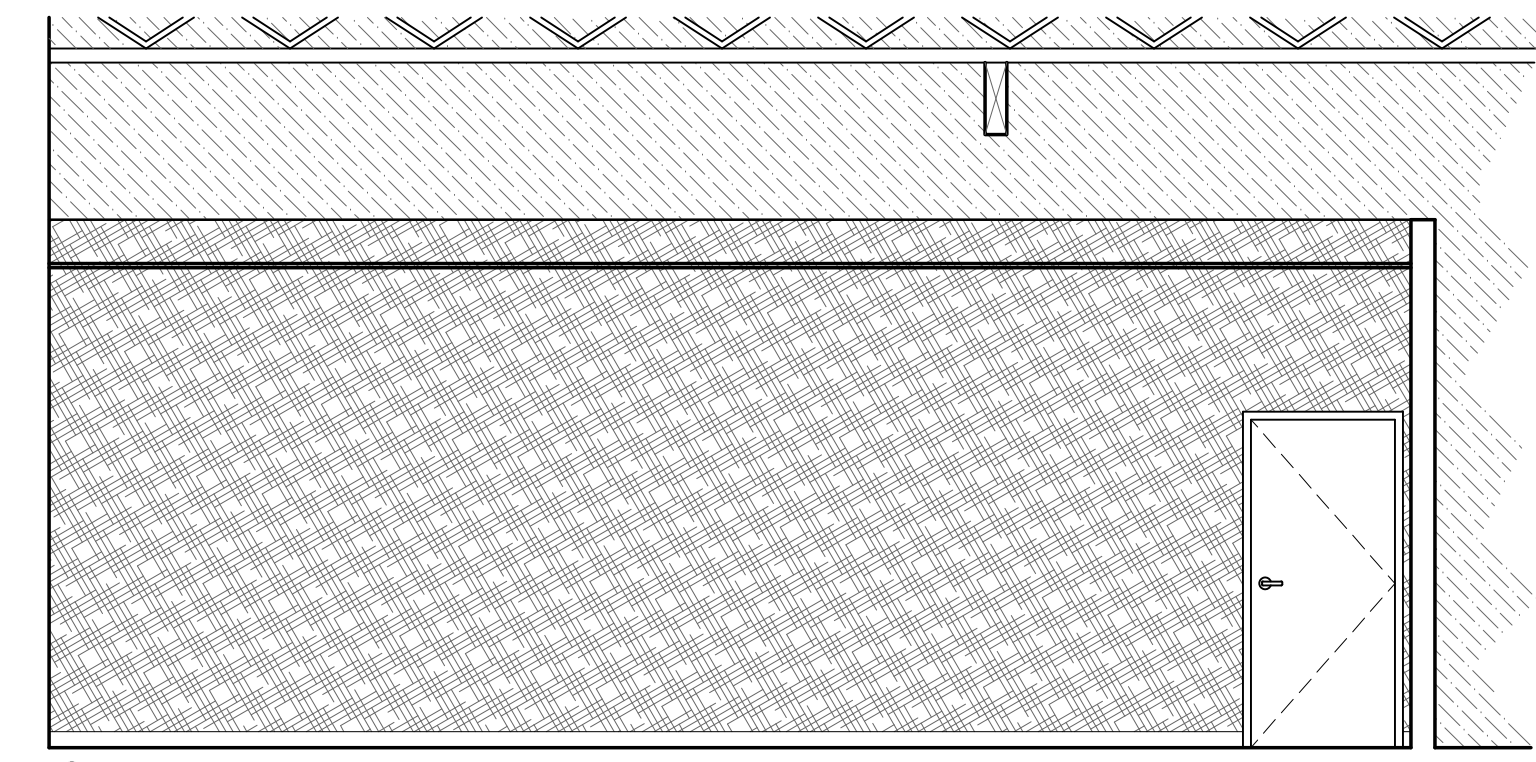
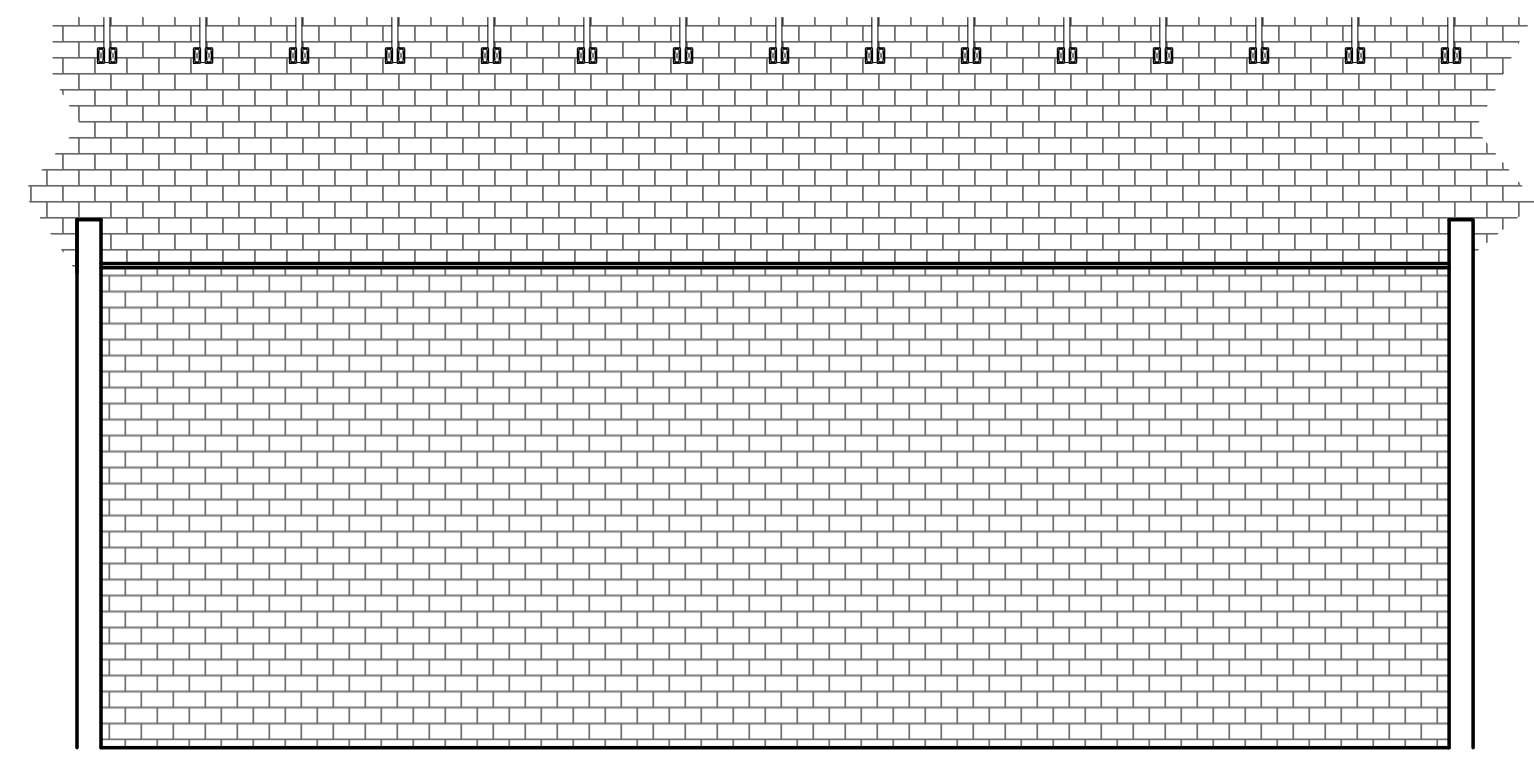
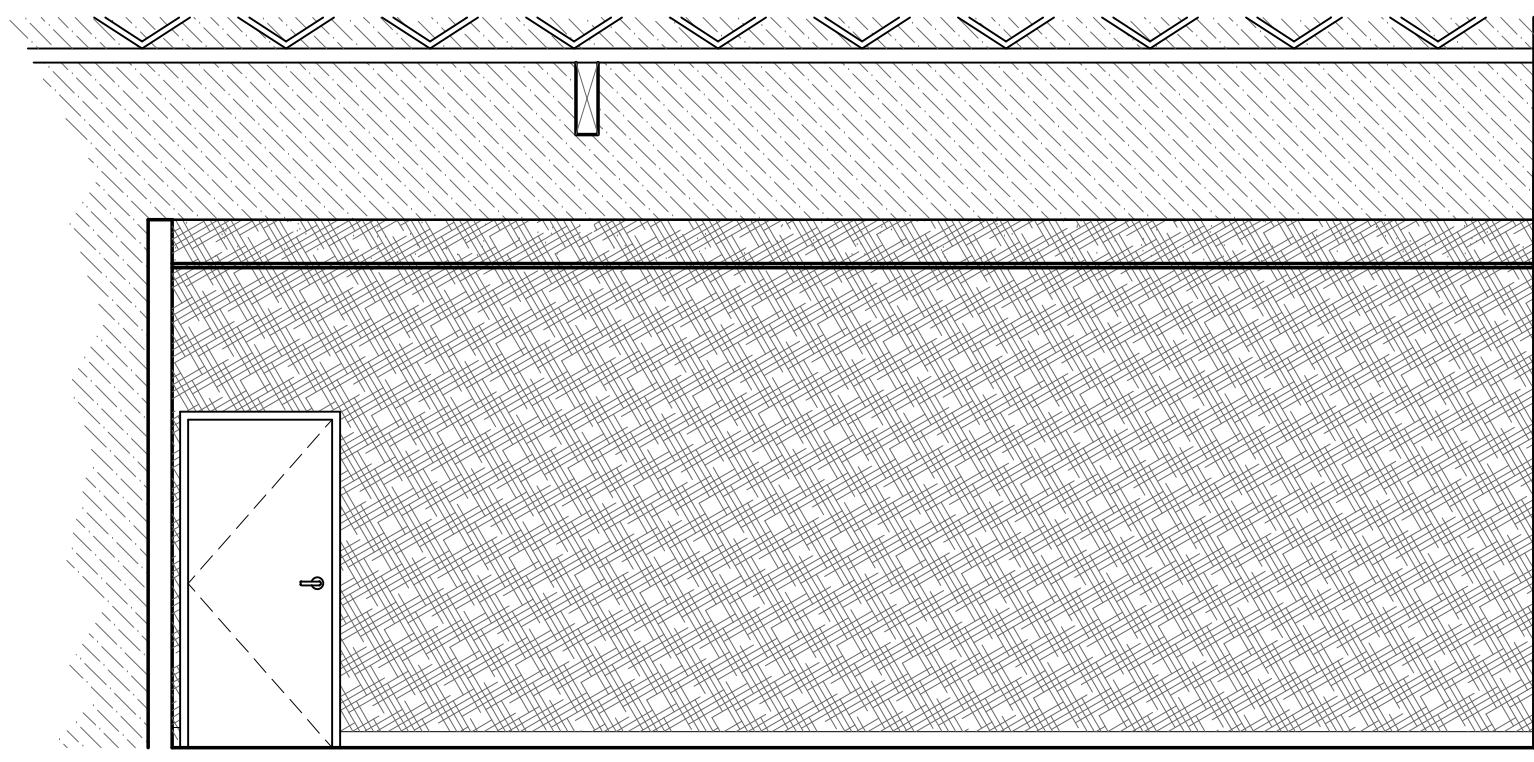
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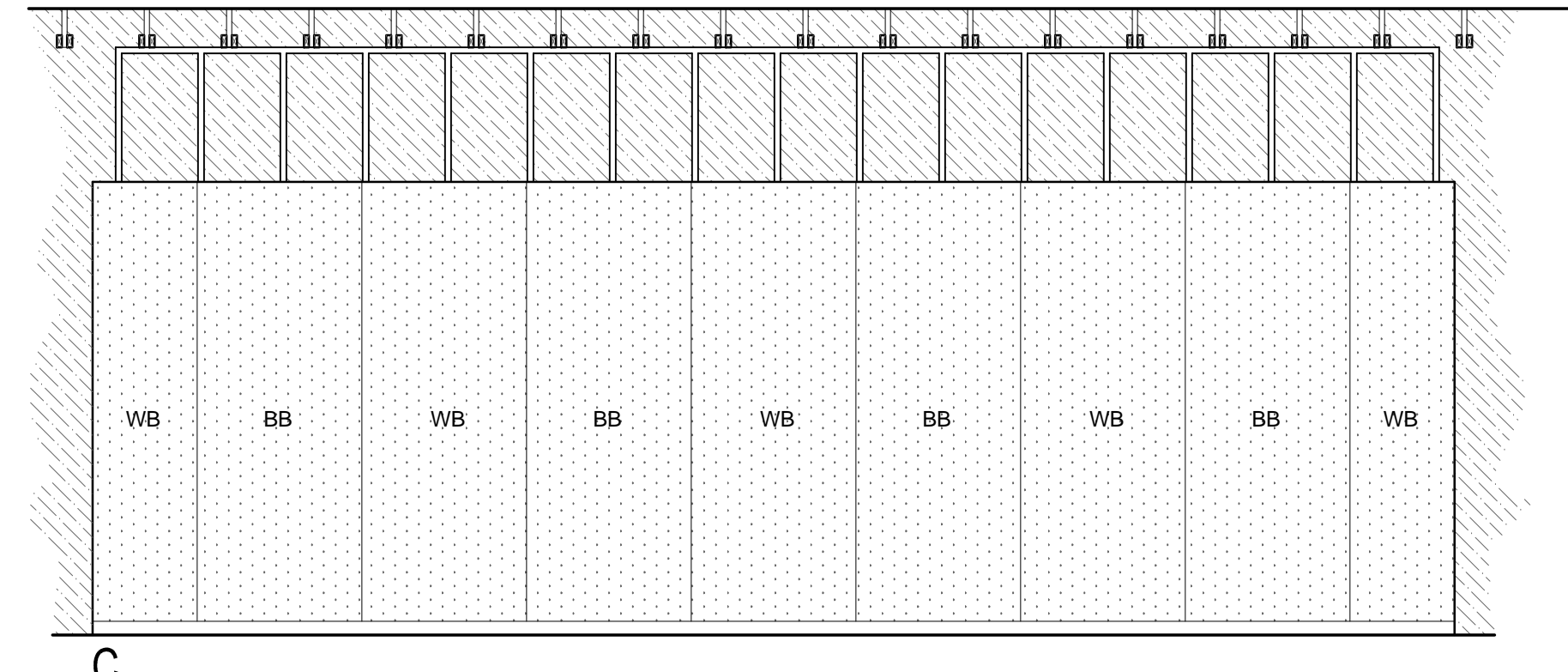
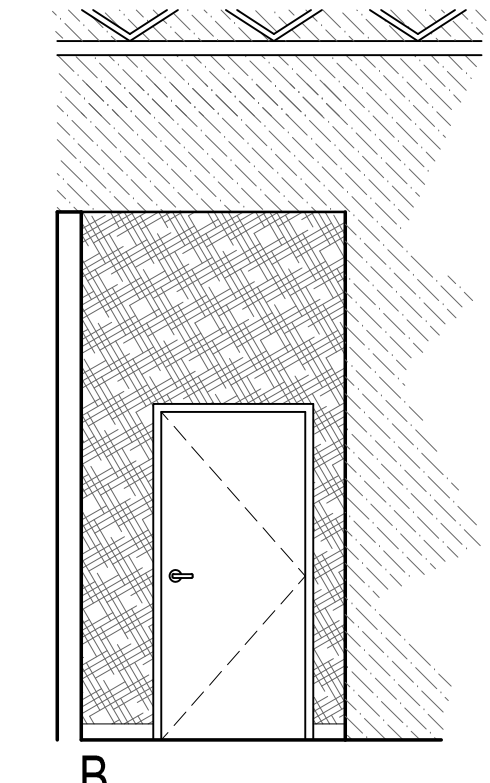
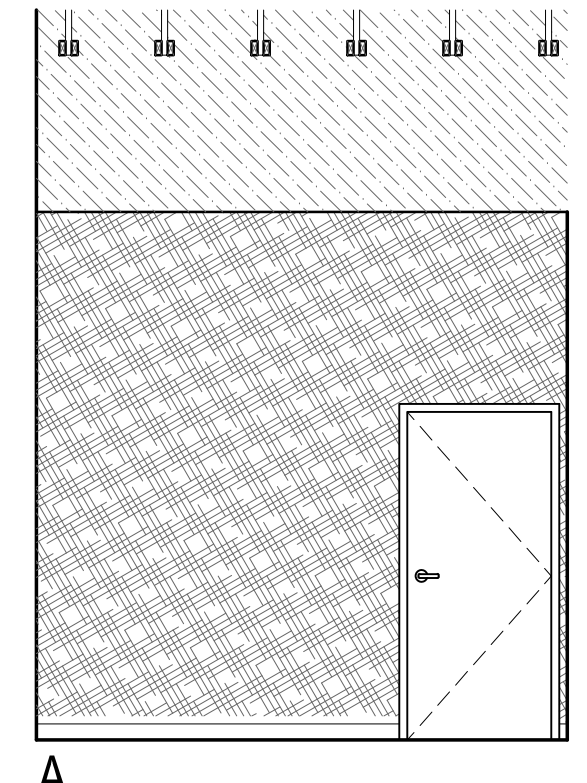
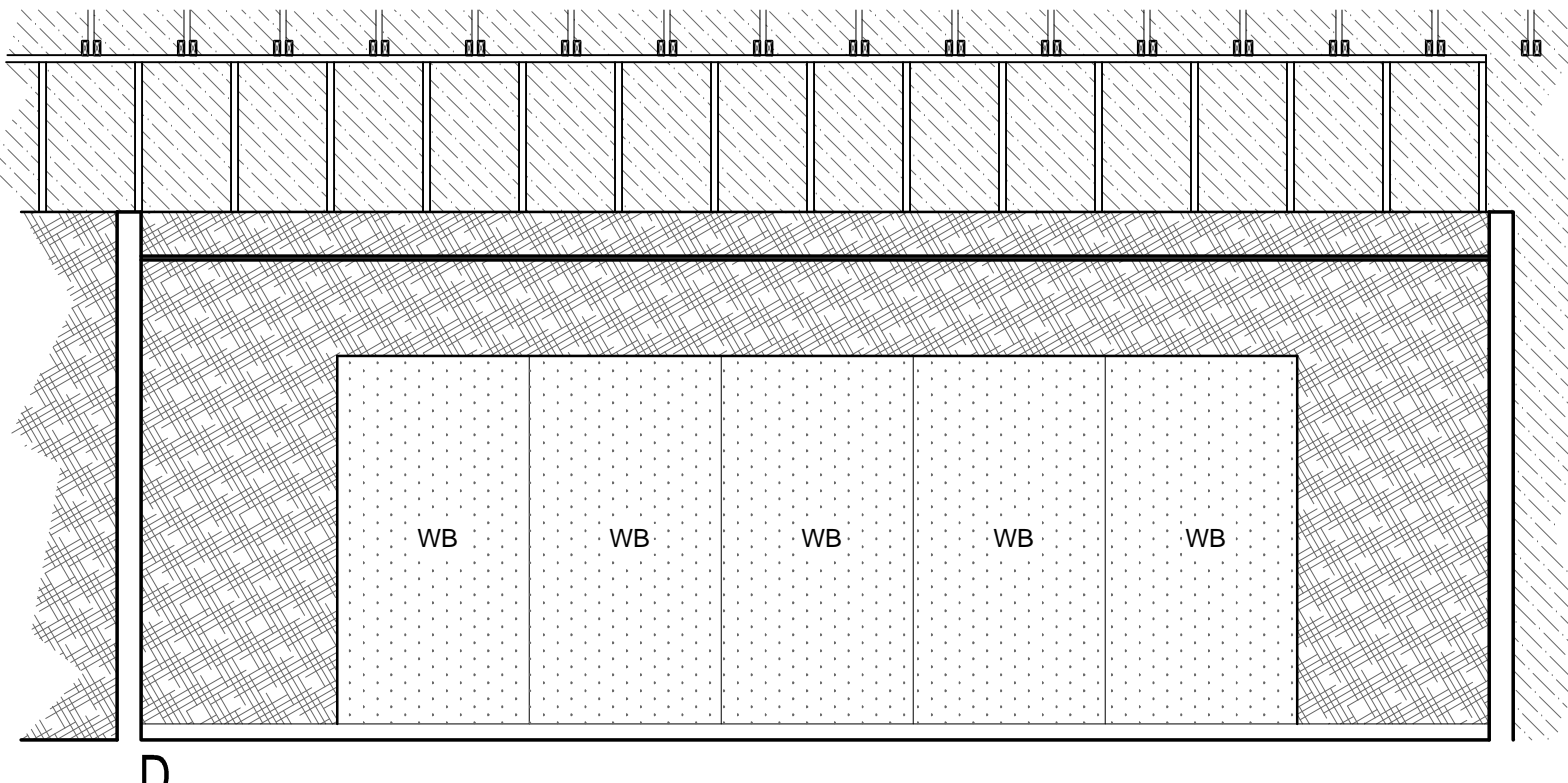
REVISIONS

SHEET
INTERIOR ELEVATIONS
A4.4
PERMIT SET
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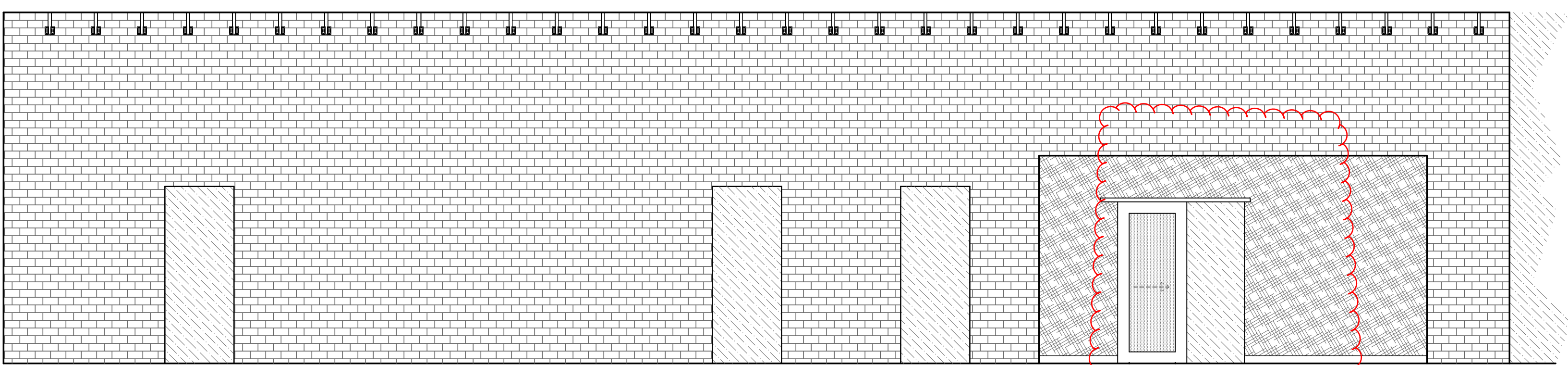


1 ELEVATIONS AT CLASSROOM (#113)
A4.5 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



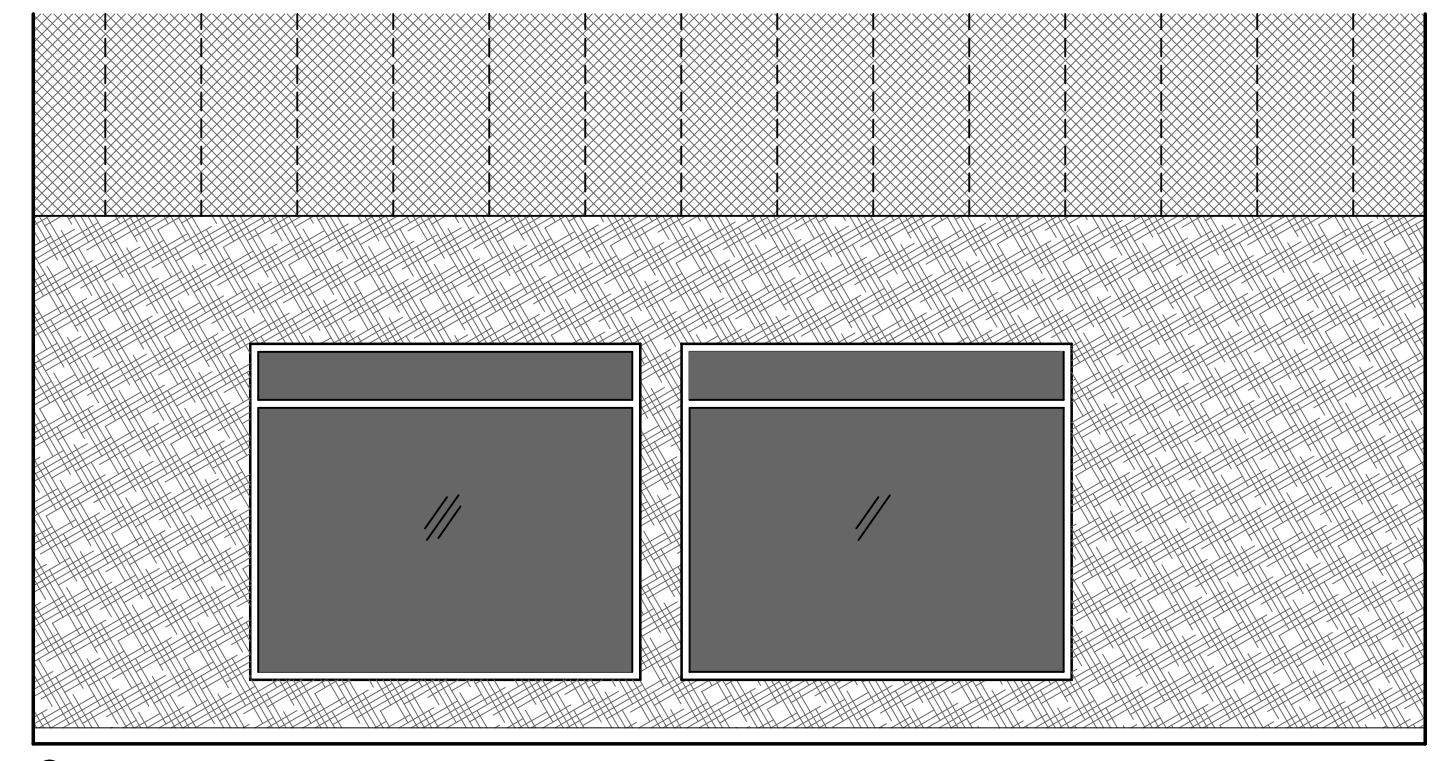
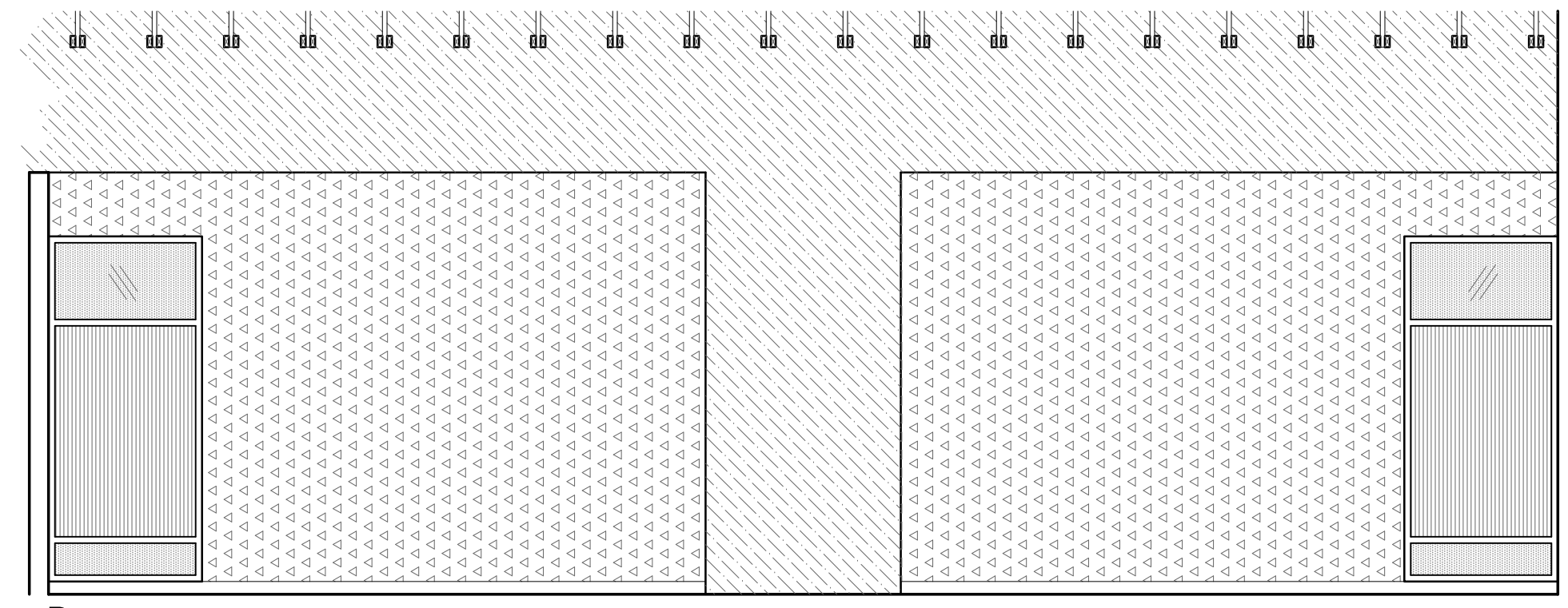
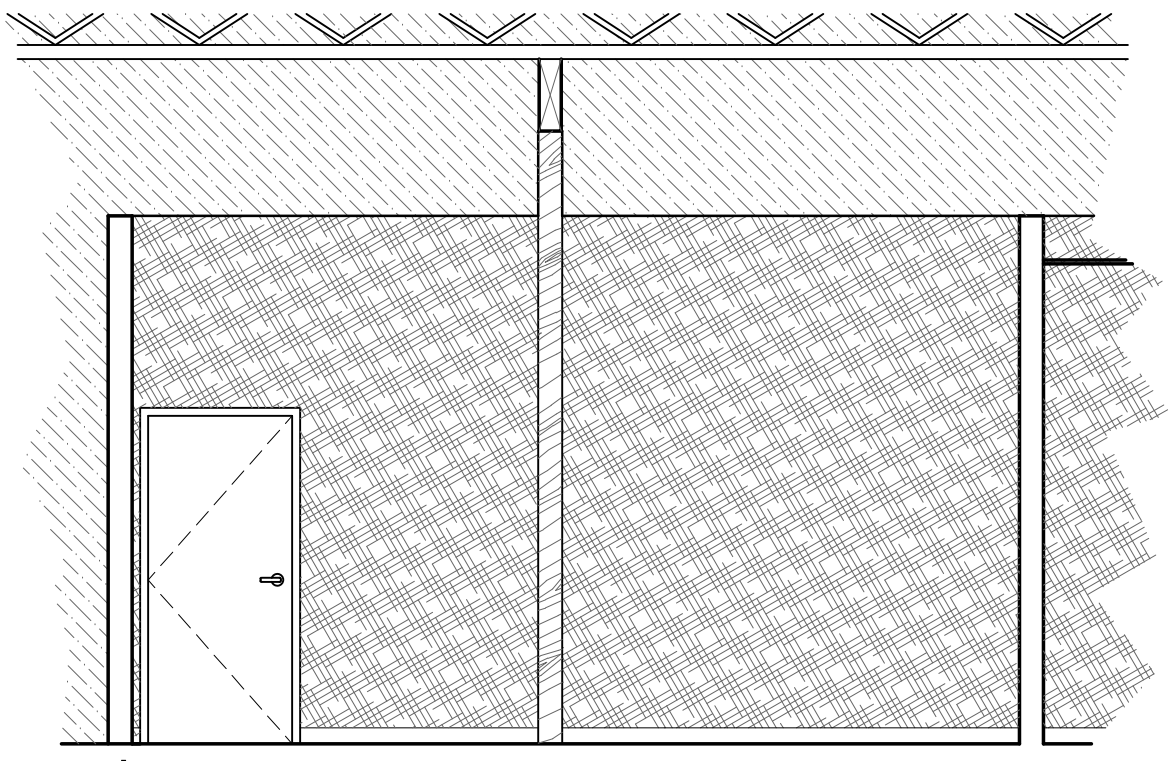
1 ELEVATIONS AT CLASSROOM (#113), CONTINUED
A4.5 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)

2 ELEVATIONS AT PHONE BOOTHS (#H114)
A4.5 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



NOTE:
REFER TO SHEET 4.1
FOR TYPICAL INTERIOR
ELEVATIONS MATERIAL
GRAPHIC LEGEND

C. ELEVATIONS AT PHONE BOOTHS (#H114), CONTINUED
2 A4.5 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



3 ELEVATIONS AT HOTELING / COWORKING SPACE (OPEN OFFICE) (#114)
A4.5 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)

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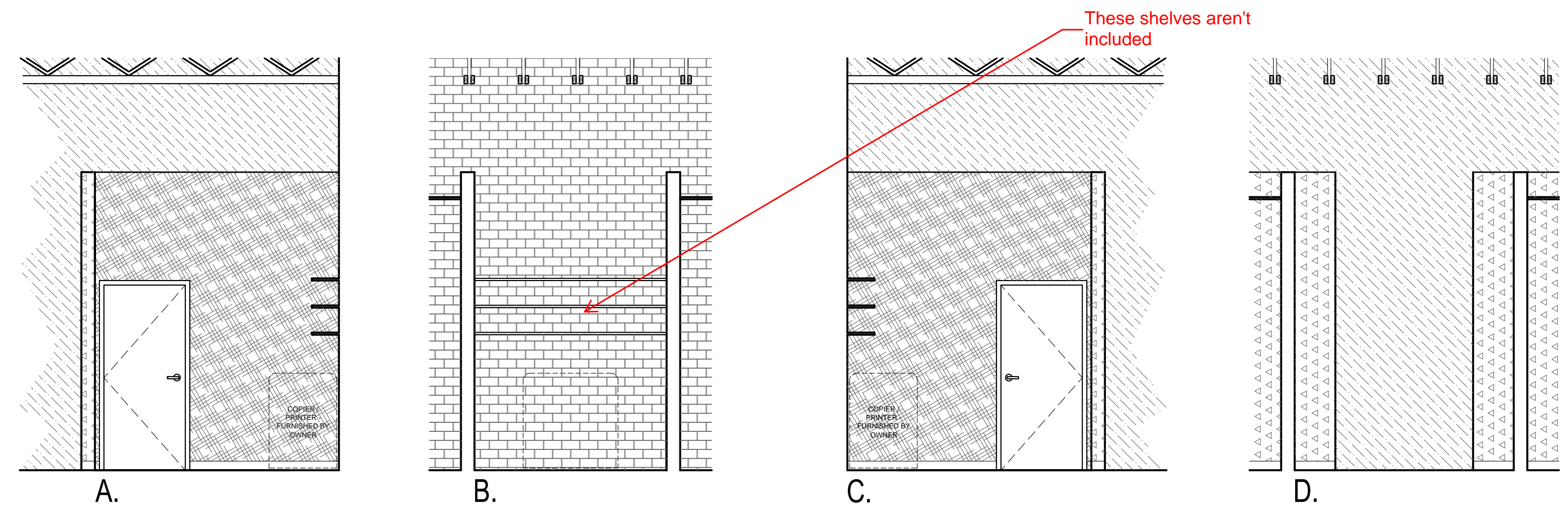


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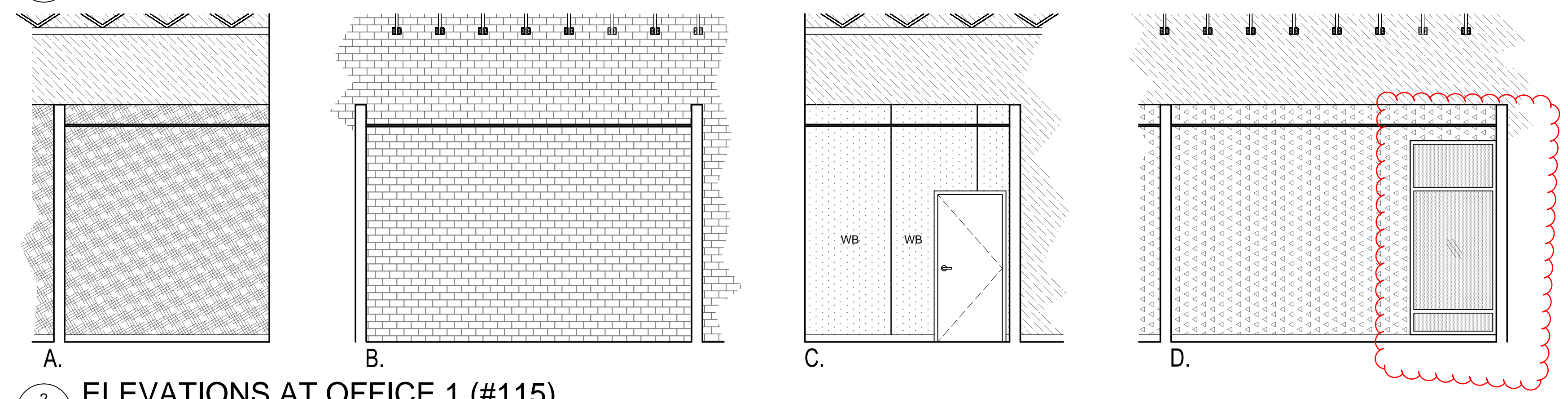
SHEET
INTERIOR
ELEVATIONS
A4.5

PERMIT SET
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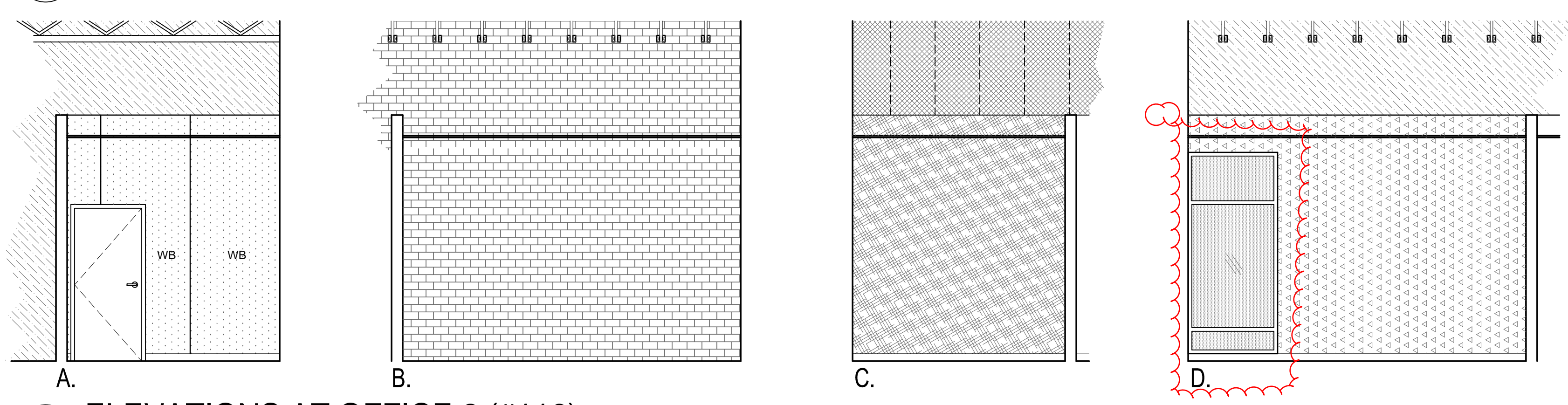
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1 ELEVATIONS AT COPY / PRINT ALCOVE (#V114)
 A4.6 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



2 ELEVATIONS AT OFFICE 1 (#115)
 A4.6 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)



3 ELEVATIONS AT OFFICE 2 (#116)
 A4.6 1/8" = 1'-0" on 11X17 (1/4" = 1'-0" at FULL SIZE)

ELEVATION MATERIAL LEGEND	
	OPEN TO BEYOND
	(E) WOOD STRUCTURE OR NEW PLYWOOD
	SINGLE PANE INTERIOR GLAZING
	INSULATED EXTERIOR GLAZING
	SEALED OSB
	NEW GWB CONSTRUCTION
	BLACKBOARD -or- WHITEBOARD
	TACK BOARD
	CLEAR CORRUGATED PLASTIC
	EXPOSED FOIL FACED INSULATION
	PORCELAIN WALL TILE
	EXISTING MASONRY TO REMAIN

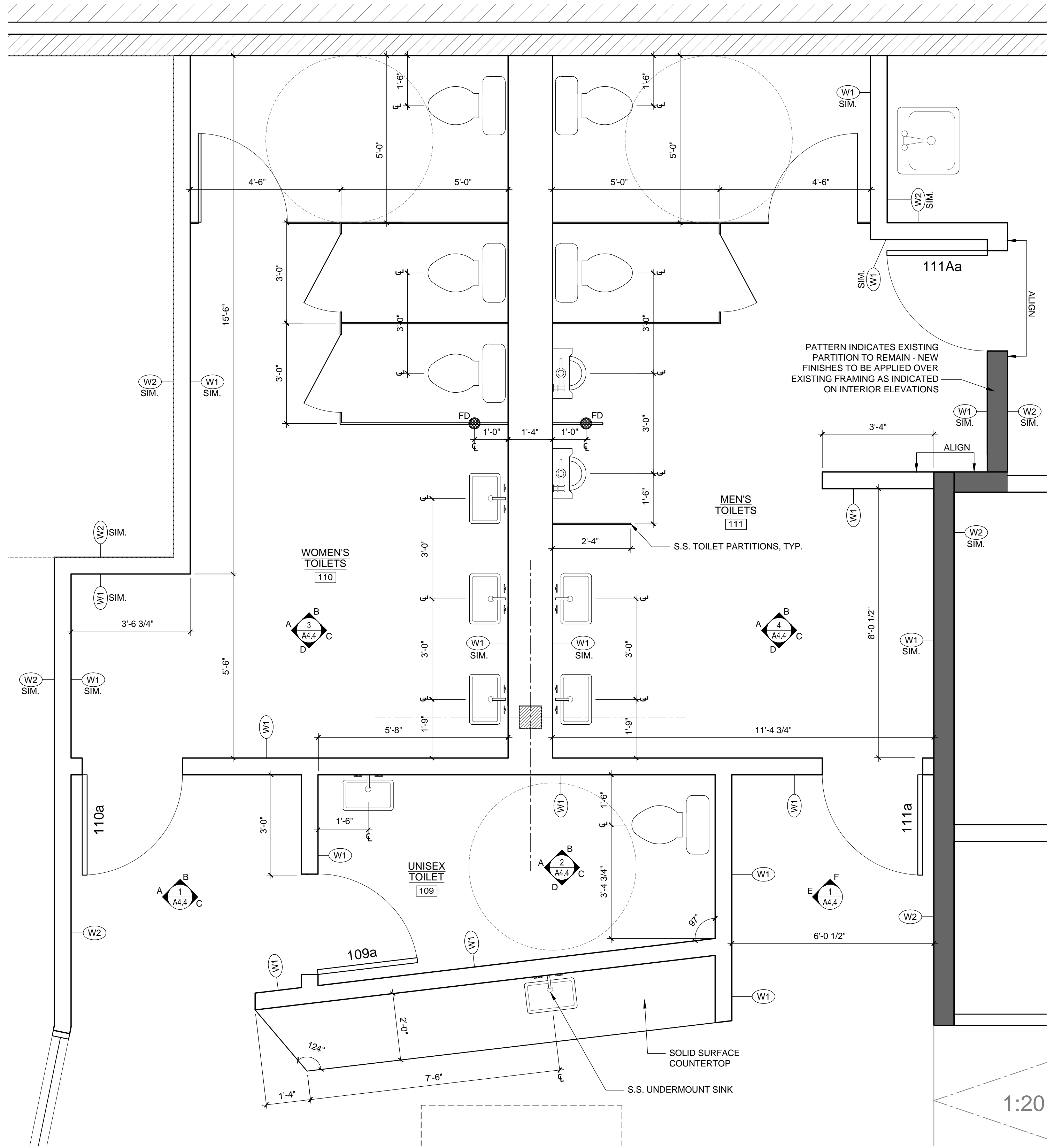
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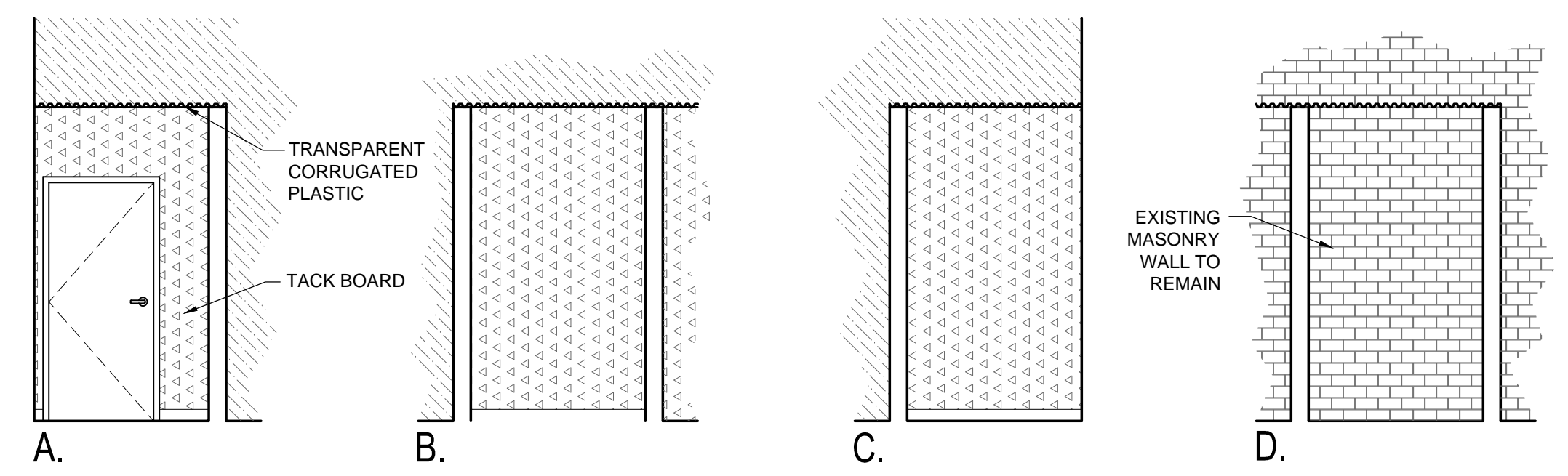
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SHEET
 INTERIOR ELEVATIONS
A4.6
 PERMIT SET
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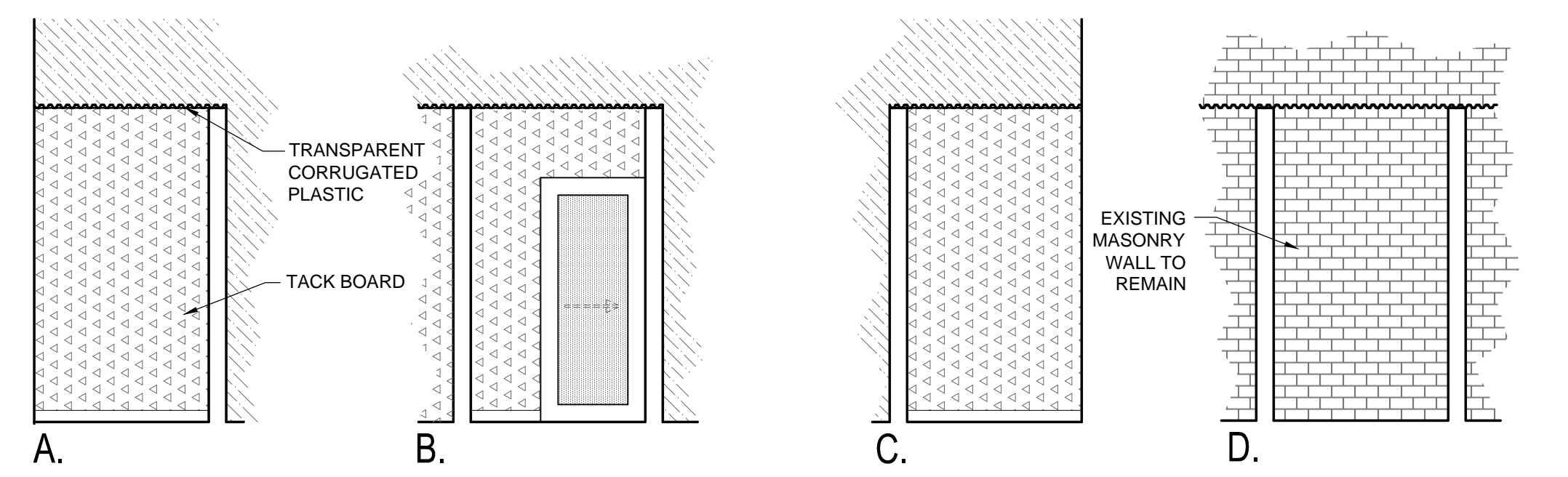
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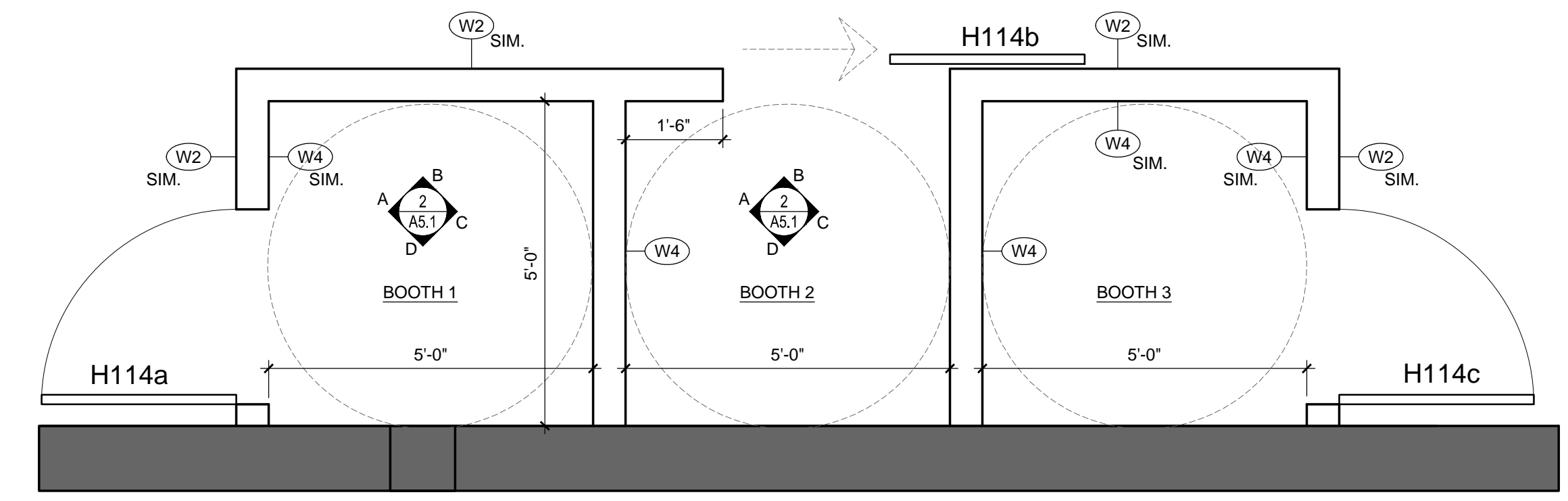
1 ENLARGED FLOOR PLAN
 A5.1 1/4" = 1'-0" ON 11x17 (1/2" = 1'-0" ON 22x34 SHEETS)



INTERIOR ELEVATIONS AT BOOTH 1 (BOOTH 3 OPP.)
 SCALE: 1/4" = 1'-0"

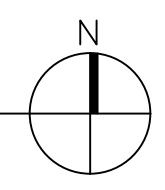


INTERIOR ELEVATIONS AT BOOTH 2
 SCALE: 1/4" = 1'-0"



FLOOR PLAN AT BOOTHS
 SCALE: 1/2" = 1'-0"

2 DETAILS AT 'PHONE' BOOTHS
 A5.1



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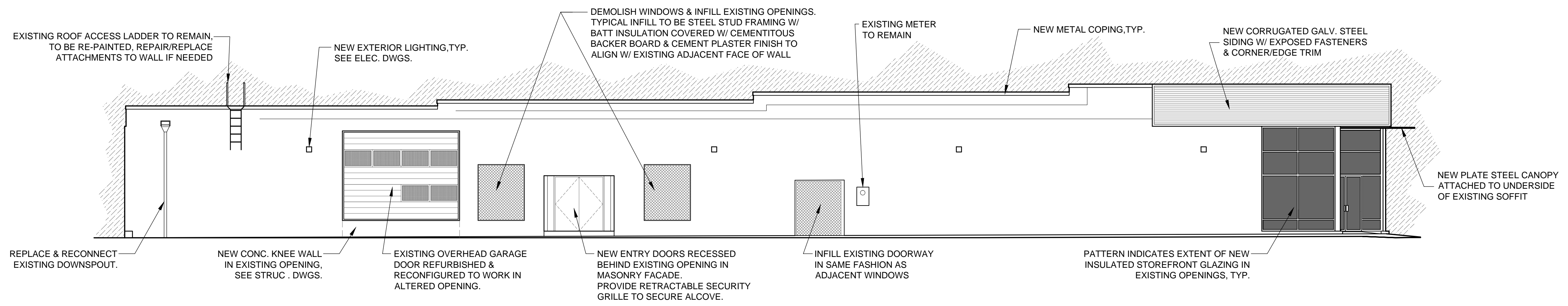
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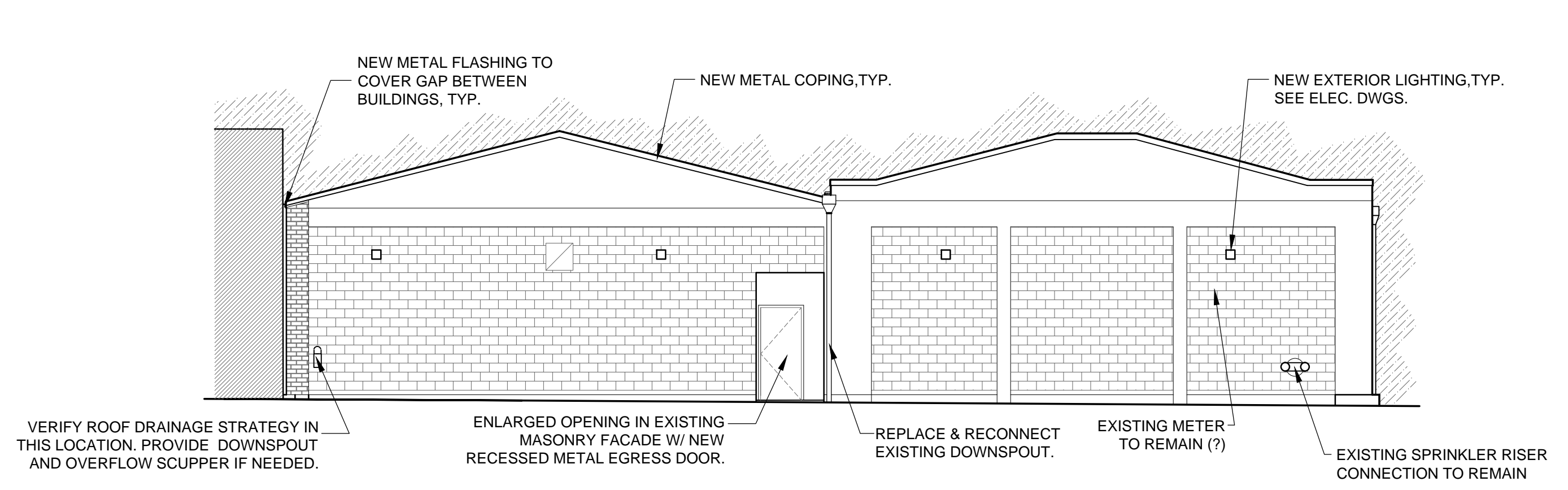
ENLARGED PLAN
A5.1

PERMIT SET
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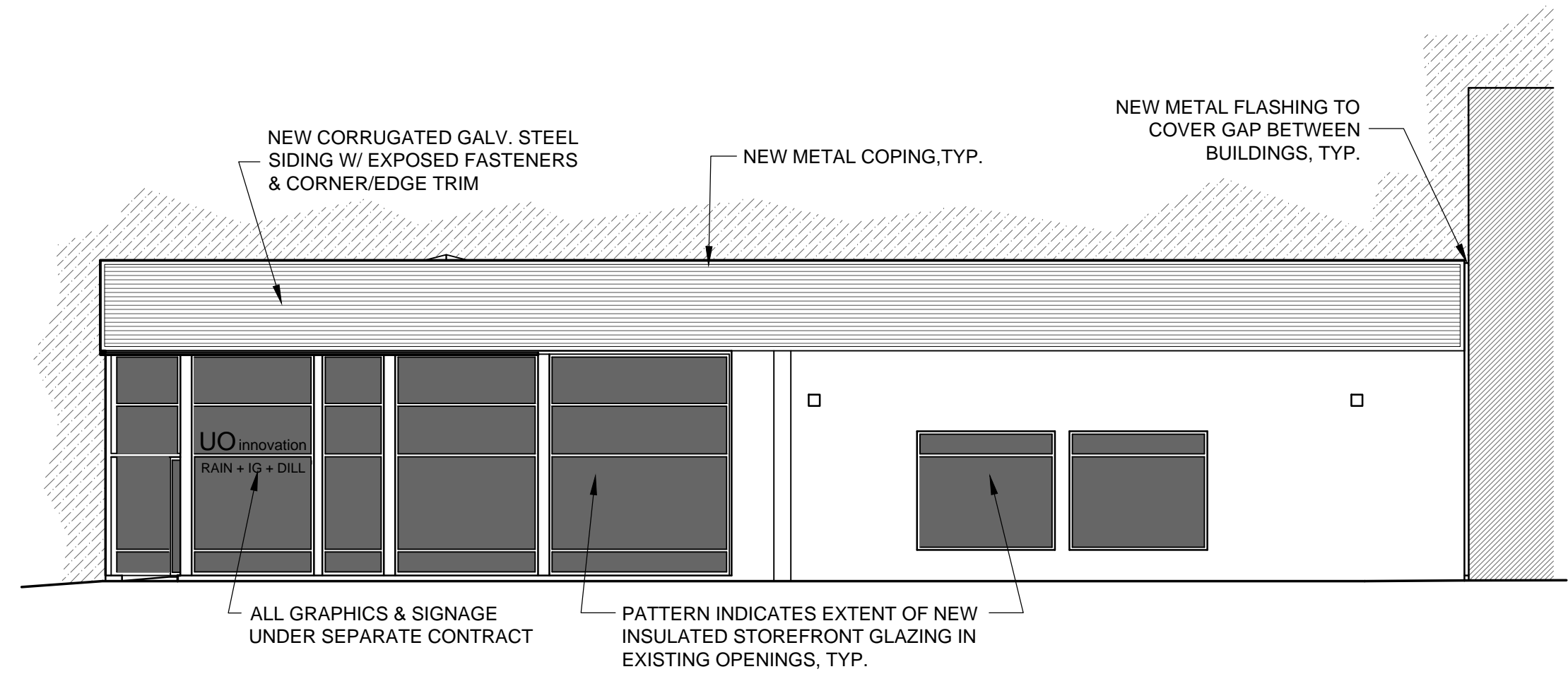
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1 SOUTH (BROADWAY ALLEY) ELEVATION
A6.0 1/16" = 1'-0" ON 11x17 (1/8" = 1'-0" ON 22x34 SHEETS)



3 WEST (OLIVE ALLEY) ELEVATION
A6.0 1/16" = 1'-0" ON 11x17 (1/8" = 1'-0" ON 22x34 SHEETS)



2 EAST (OLIVE STREET) ELEVATION
A6.0 1/16" = 1'-0" ON 11x17 (1/8" = 1'-0" ON 22x34 SHEETS)

EXTERIOR ELEVATION NOTES

1. REMOVE ALL UNUSED, DECOMMISSIONED OR ABANDONED EQUIPMENT, METERS, LIGHT FIXTURES AND CONDUIT FROM ALL FACADES. REPAIR AS NEEDED AT POINT OF ATTACHMENT.
2. REPAIR OR FILL & SEAL ALL VISIBLE CRACKS IN EXISTING MASONRY FACADES, TYP.
3. PATCH & OR REPAIR ALL DAMAGE IN EXPOSED CONC. FOUNDATION & SUPERSTRUCTURE, TYP.
4. REPLACE ALL EXTERIOR ROOF DRAIN DOWNSPOUTS. RE-CONNECT TO EXISTING STORM SEWER TIE-INS. VERIFY FUNCTION OF ALL OVERFLOW SCUPPERS.
5. PROVIDE BOLLARDS TO PROTECT VULNERABLE DOWNSPOUTS & OTHER WALL MOUNTED EQUIPMENT. VERIFY QUANTITIES AND FINAL LOCATIONS OF PROPOSED BOLLARDS W/ OWNER.
6. PROVIDE NEW TWO-COLOR PAINT SCHEME (PATTERN & COLORS TBD) ON ALL EXPOSED FACADES.

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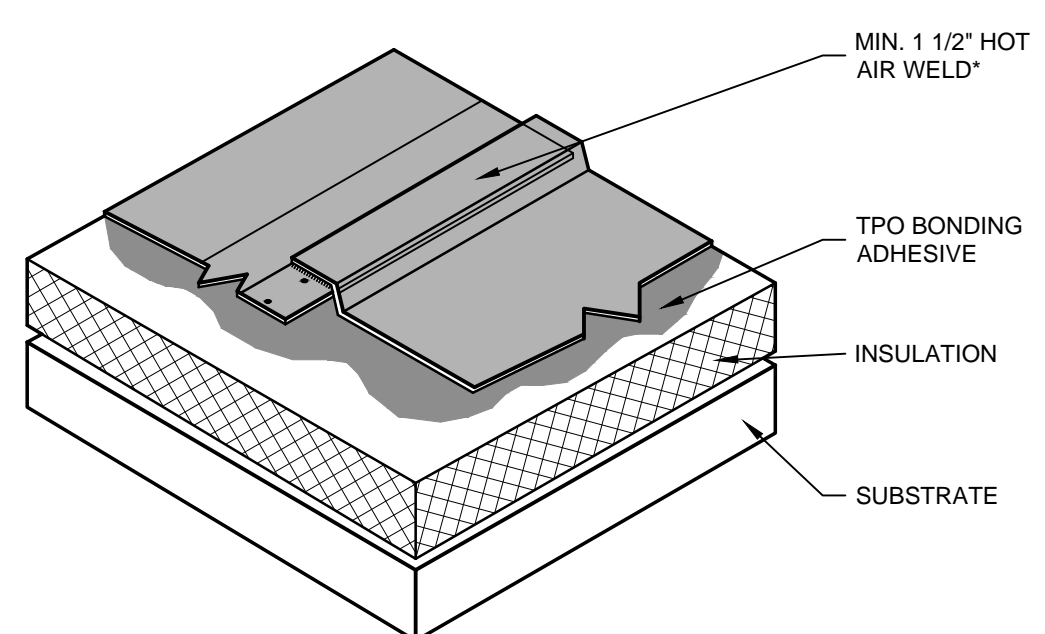


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SHEET
EXTERIOR ELEVATIONS
A6.0

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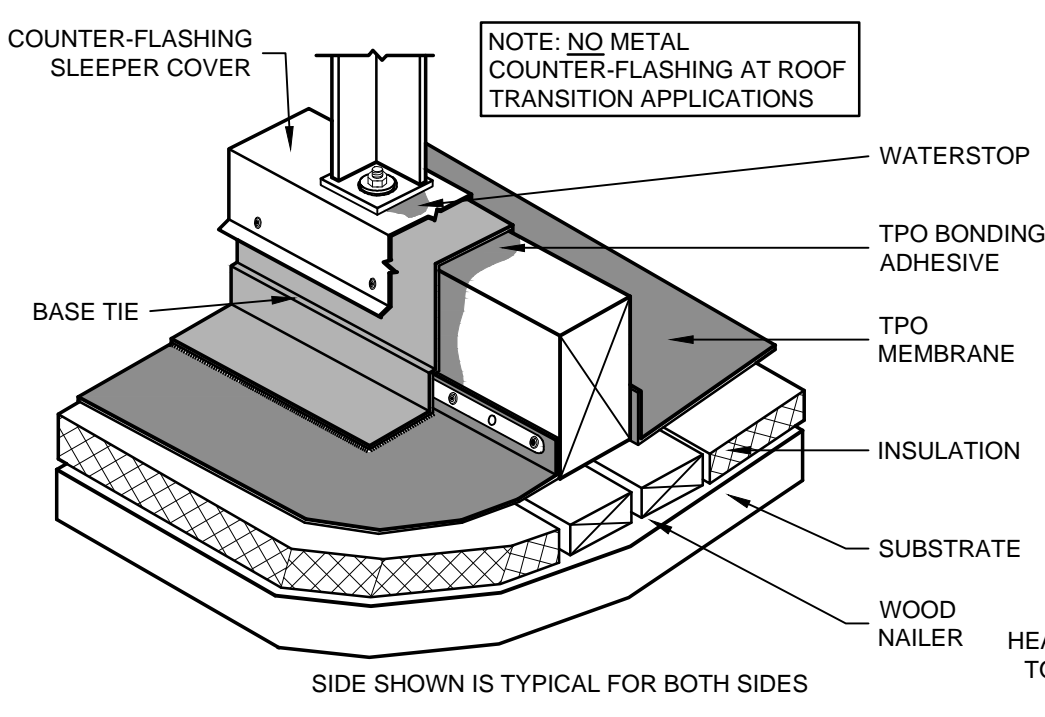
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*FOR ADHERED AND BALLASTED SYSTEMS POSITION ADJACENT MEMBRANE PANELS ON THE FACTORY APPLIED SOLID REFERENCE LINE.

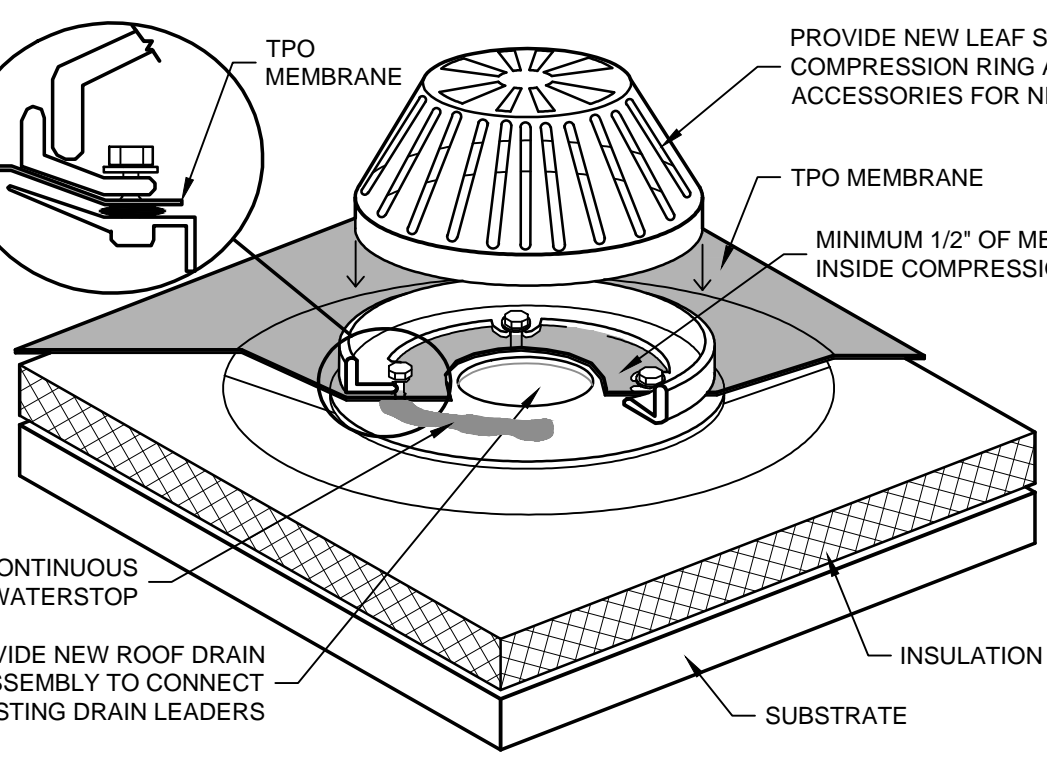
A1 WELDED SEAM IN ROOFING

NTS



A2 SLEEPER CURB / ROOF TRANSITION

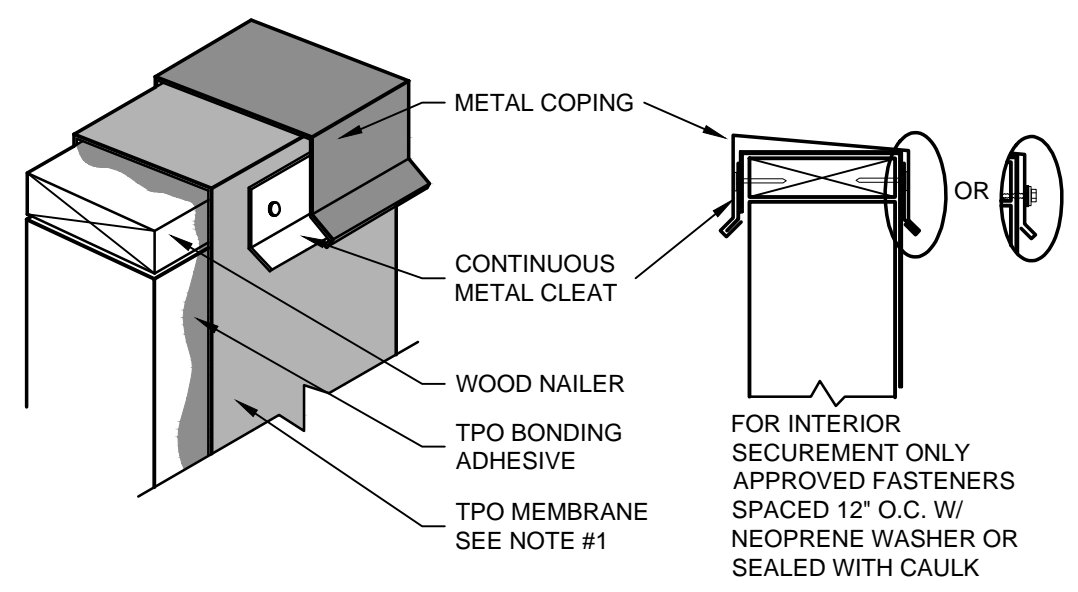
NTS



NOTE:
THESE DETAILS ARE INTENDED TO REFLECT GENERIC MANUFACTURERS RECOMMENDATIONS FOR APPLICATION AND INSTALLATION OF SINGLE-PLY ROOFING MEMBRANE COMPONENTS ONLY. PROJECT SPECIFIC CONDITIONS WITH REGARD TO SUBSTRATES AND INSULATION MAY DIFFER FROM THOSE SHOWN AND SHOULD BE VERIFIED W/ ACTUAL PRODUCT SPECIFIC MANF. RECOMMENDATIONS AND INSTRUCTIONS.

A3 TYPICAL REPLACEMENT ROOF DRAIN

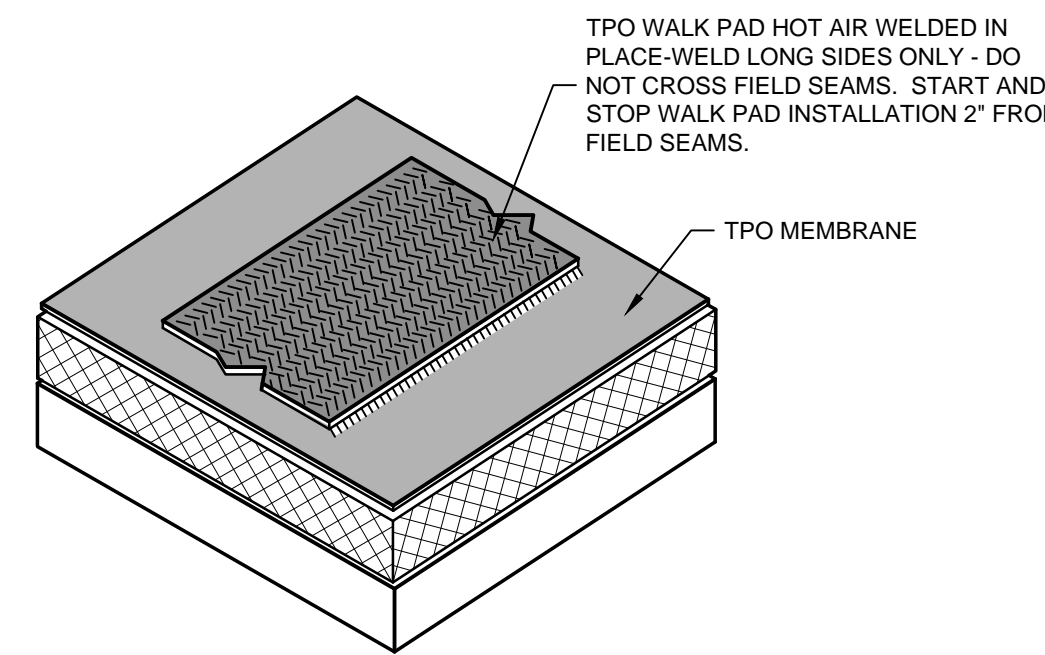
NTS



1. TPO MEMBRANE MUST EXTEND OVER WOOD NAILER AND ONTO EXTERIOR WALL OR PARAPET SURFACE A MINIMUM OF 1/2"

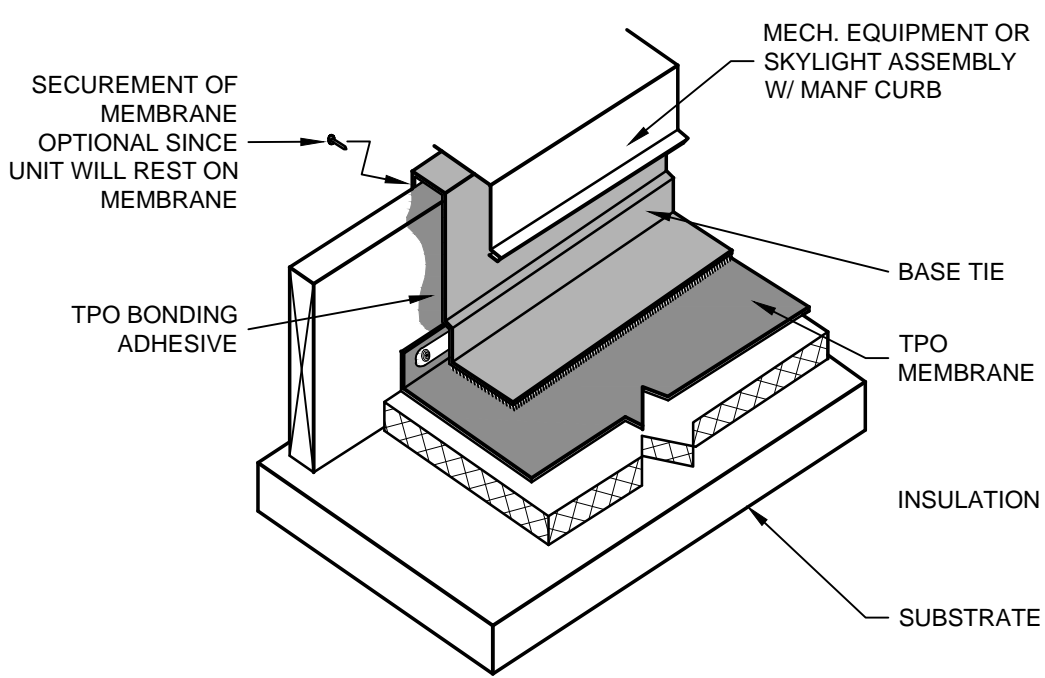
A4 TYPICAL PARAPET DETAIL

NTS



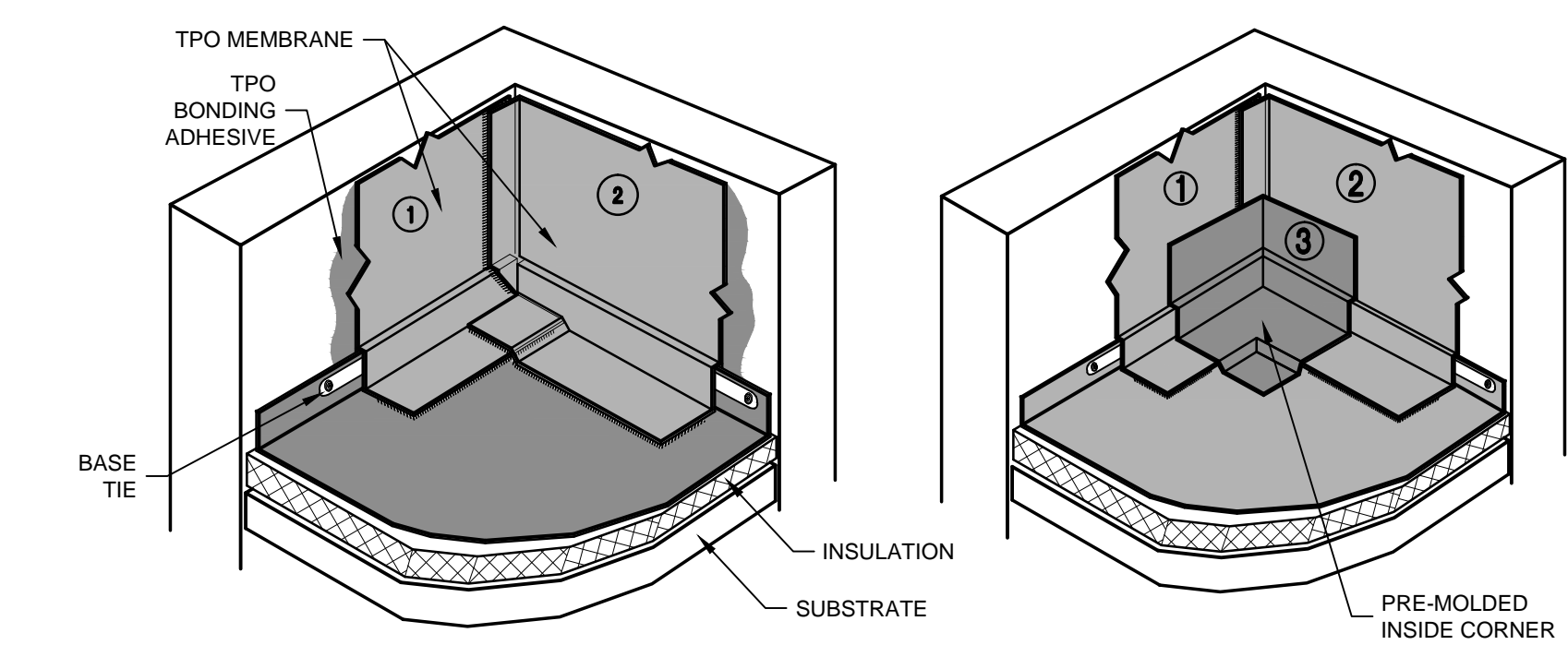
B1 TYPICAL WELDABLE WALK PAD

NTS



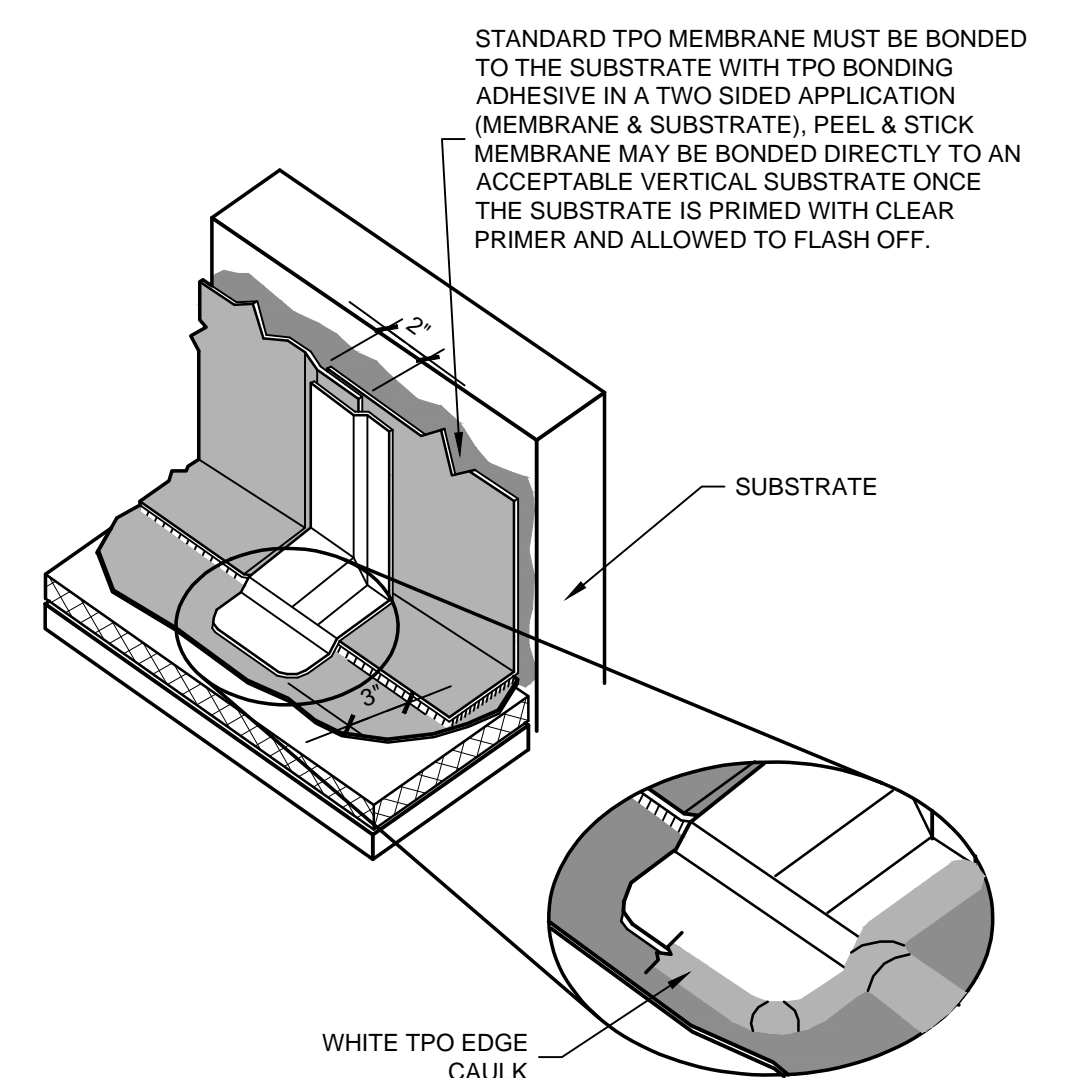
B2 EQUIPMENT CURB FLASHING

NTS



B3 INSIDE CORNER VERTICAL TRANSITION

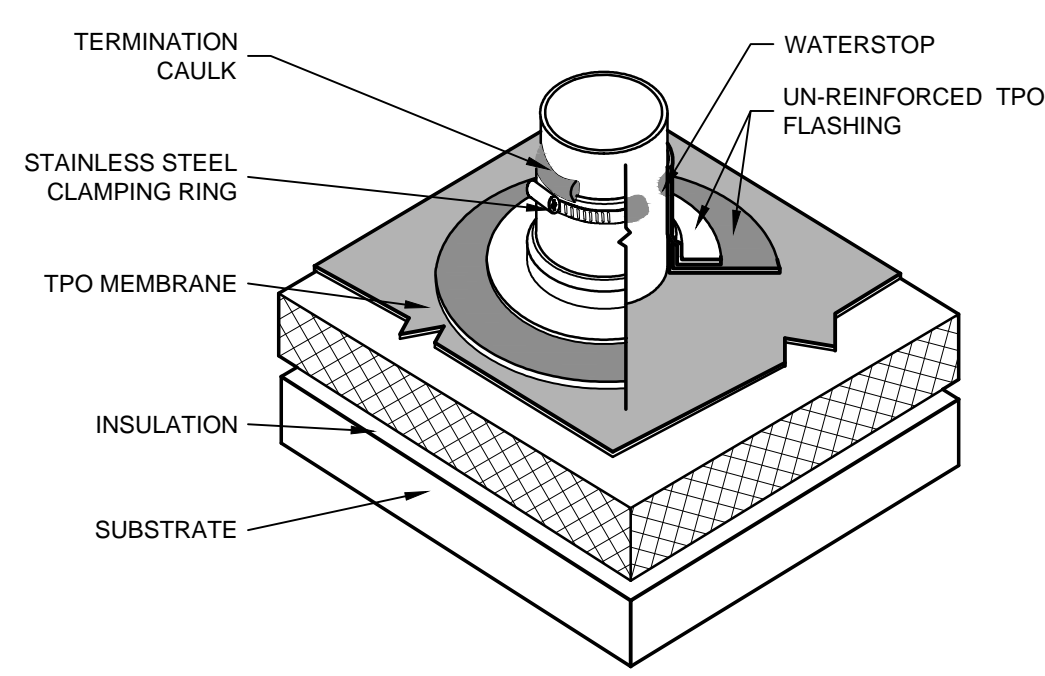
NTS



VERTICAL JOINTS IN PARAPET FLASHING MUST BE STRIPPED IN WHEN USING A PEEL AND STICK MEMBRANE. THE STRIP IN MATERIAL MAY BE EITHER 6" WIDE NON-REINFORCED TPO FLASHING HOT AIR WELDED CENTERED OVER THE SEAM STEP OFF OR WHITE TPO COVER TAPE & CLEAR PRIMER. IN BOTH APPLICATIONS THE STRIP IN MATERIAL MUST EXTEND 3' BEYOND THE OVERLAP ONTO THE DECK SURFACE AND TO THE TOP OF THE LAP. IN CASES WHERE WHITE TPO COVER TAPE IS USED THE STRIP IN MATERIAL EDGE MUST BE FULLY CAULKED WITH WHITE TPO EDGE CAULK. (STANDARD TPO MEMBRANE & BONDING ADHESIVE MAY BE USED AS PARAPET FLASHING WITH NO STRIP IN OF VERTICAL JOINTS REQUIRED WHEN THE SEAMS ARE ASSEMBLED WITH HOT AIR WELDS.)

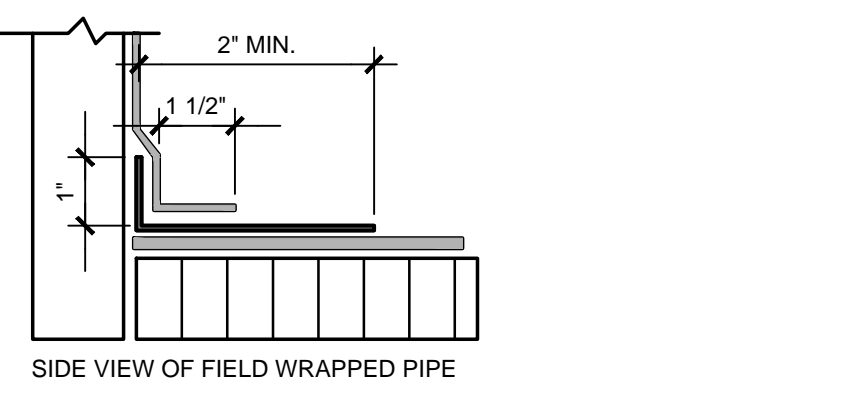
C4 WALL FLASHING VERTICAL JOINT

NTS



C1 PIPE PENETRATION WITH CLAMPING RING

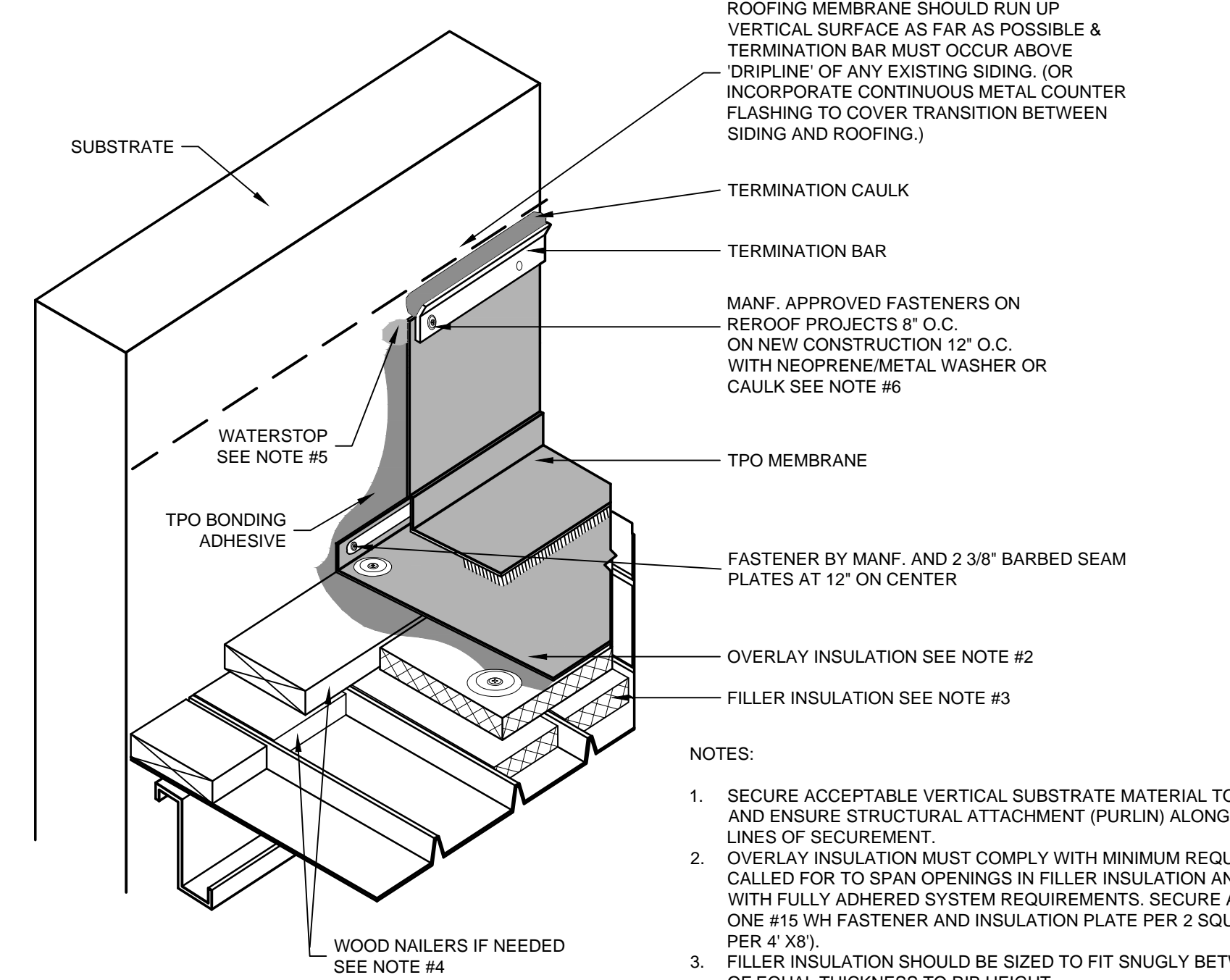
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BASE WRAP TO EXTEND MIN. 1' UP VERTICAL SURFACE OF PIPE AND 2' MIN. ONTO FIELD MEMBRANE WITH A SOLID HOT AIR WELD TO THE DECK MEMBRANE.
UPPER WRAP TO EXTEND 1 1/2" ONTO BASE WRAP AND 8" MIN UP PIPE AND SEALED INTO A BEAD OF GENFLEX WATERSTOP W/ A STAINLESS STEEL COMPRESSION BAND.

C2 PIPE PENETRATION WITH PRE-MANUFACTURED BOOT

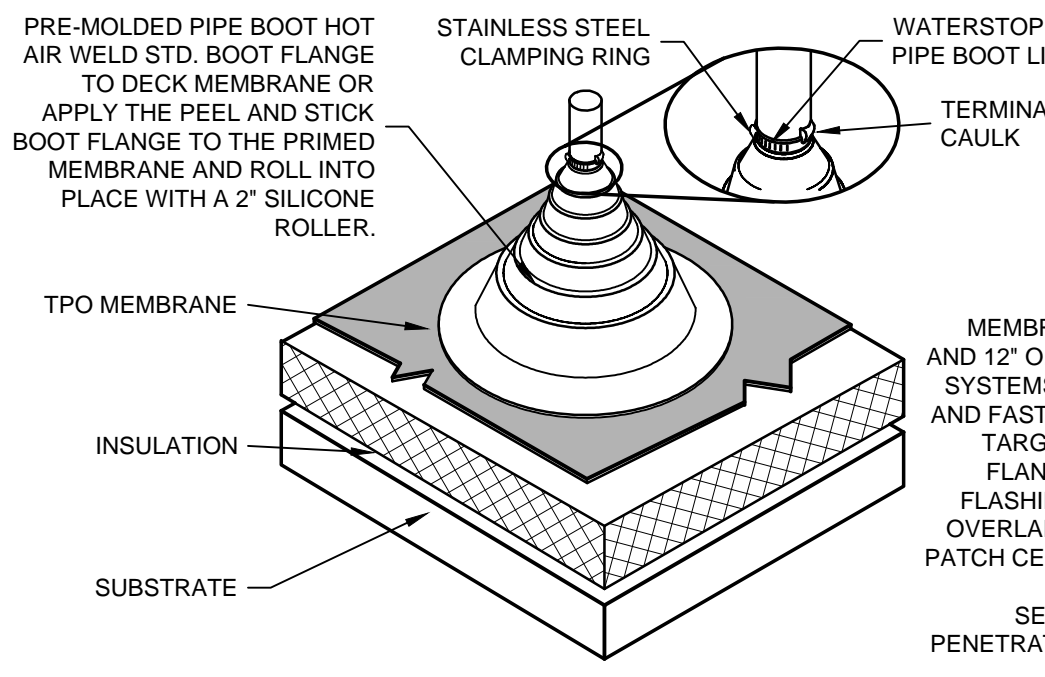
NTS



- NOTES:**
1. SECURE ACCEPTABLE VERTICAL SUBSTRATE MATERIAL TO METAL SIDING, AND ENSURE STRUCTURAL ATTACHMENT (PURLIN) ALONG AT LEAST TWO LINES OF SECUREMENT.
 2. OVERLAY INSULATION MUST COMPLY WITH MINIMUM REQUIREMENTS CALLED FOR TO SPAN OPENINGS IN FILLER INSULATION AND TO COMPLY WITH FULLY ADHERED SYSTEM REQUIREMENTS. SECURE AT THE RATE OF ONE #15 WH FASTENER AND INSULATION PLATE PER 2 SQUARE FEET (16 PER 4' X8').
 3. FILLER INSULATION SHOULD BE SIZED TO FIT SNUGLY BETWEEN RIBS AND OF EQUAL THICKNESS TO RIB HEIGHT.
 4. WOOD NAILERS MUST BE SECURED TO PURLINS AS REQUIRED TO ACHIEVE 200 LBS OF PULLOUT RESISTANCE PER LINEAR FOOT.
 5. COMPRESSION FIT DETAILS THAT INCORPORATE WATERSTOP MUST HAVE ALL EXISTING FLASHING REMOVED TO THE BARE SUBSTRATE.
 6. ANY APPROVED PREDRILLED FASTENER FOR CURB AND PARAPET TERMINATION MUST HAVE A MINIMUM 125 LBS. PULLOUT (SEE APPROVED FASTENER LIST).

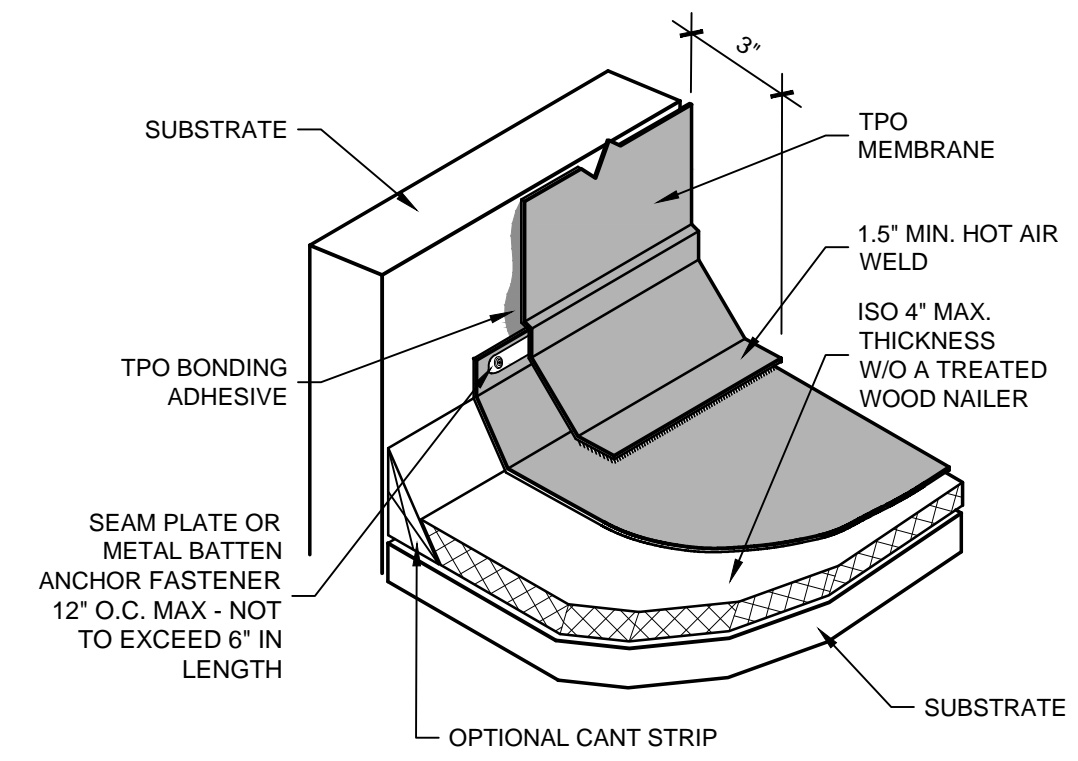
D3 BASE FLASHING w/ TERMINATION BAR

NTS



D1 PIPE PENETRATION WITH PRE-MANUFACTURED BOOT

NTS



D4 WALL BASE FLASHING

NTS

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SHEET

ROOF DETAILS

A8.1

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PANELBOARD: 1N2-3

Location: ELEC 119
Supply From: MAIN BREAKER
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22 kAIC
Mains Type: MCB
BUS Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	WEST CIRC & FLEX SPACE LIGHTING	20 A	1	1.24	0.47		1	20 A	OUTDOOR & EXTERIOR LIGHTING	2	
3	COMP. LAB. RESTRM & SHOP LIGHTING	20 A	1		1.66	0.78		20 A	WAR ROOM, CONF & INVENTION LTG	4	
5	FLEX SPACE TRACK & MECH/ELEC LTG	20 A	1			0.74	1.09	1	20 A	CO WORK SPACE LIGHTING	6
7	DESIGN STUDIO LIGHTING	20 A	1	1.31	0.87			1	20 A	CLASSRM, CONF, STORAGE, JAN LTG	8
9	SPARE	20 A	1		0	0.5		1	20 A	EAST CIRC TRACK LIGHTING	10
11	SPARE	20 A	1			0	1.59	1	20 A	EAST CIRC LIGHTING	12
13	SPARE	20 A	1	0	0			1	20 A	SPARE	14
15	SPARE	20 A	1		0	0		1	20 A	SPARE	16
17	SPARE	20 A	1			0	0	1	20 A	SPARE	18
19	SPARE	20 A	1	0	0			1	20 A	SPARE	20
21	SPARE	20 A	1		0	0		1	20 A	SPARE	22
23	SPARE	20 A	1			0	0	1	20 A	SPARE	24
25	SPARE	20 A	1	0	0			1	20 A	SPARE	26
27	SPARE	20 A	1		0	0		1	20 A	SPARE	28
29	SPARE	20 A	1			0	0	1	20 A	SPARE	30
Total Load:				3879 VA	2935 VA	3420 VA					
Total Amps:				33 A	24 A	29 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
L	10234 VA	125.00%	12793 VA	
				Total Conn. Load: 10234 VA
				Total Est. Demand: 12793 VA
				Total Conn.: 28 A
				Total Est. Demand: 36 A

Notes:

PANELBOARD: 1N2-4

Location: 3D PRINTERS/ POLYME...
Supply From: MAIN BREAKER
Mounting: RECESSED
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10 kAIC
Mains Type: MLO
Bus Rating: 250 A
MCB Rating: N/A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	POLYMERS BENCH/CONV RECEP... 20 A	1	0.9	0.72			1	20 A	COMP. LAB COUNTER CONV. RECEP... 2		
3	POLYMERS BENCH RECEP... 20 A	1		0.72	0.72		1	20 A	COMP. LAB COUNTER CONV. RECEP... 4		
5	POLYMERS BENCH RECEP... 20 A	1				0.72	1.08	1	20 A	COMP. LAB CONV. RECEP... 6	
7	POLYMERS & LASER BENCH RECEP... 20 A	1	0.9	1.08			1	20 A	COMP. LAB WORKSTATIONS 8		
9	POLYMERS & LASER BENCH RECEP... 20 A	1		1.08	0.97		1	20 A	COMP. LAB WORKSTATIONS & PJ 10		
11	POLYMERS BENCH RECEP... 20 A	1			1.08	0.72	1	20 A	COMP. LAB WORKSTATIONS 12		
13	POLYMERS BENCH RECEP... 20 A	1	0.72	0.72			1	20 A	COMP. LAB PENDAND RECEP... 14		
15	SPARE	20 A	1		0	0.72	1	20 A	COMP. LAB PENDAND RECEP... 16		
17	SPARE	20 A	1			0	0.72	1	20 A	COMP. LAB PENDAND RECEP... 18	
19	SPARE	20 A	1	0	0			1	20 A	SPARE 20	
21	SPARE	20 A	1		0	0		1	20 A	SPARE 22	
23	SPARE	20 A	1			0	0	1	20 A	SPARE 24	
25	SPARE	20 A	1	0	0			1	20 A	SPARE 26	
27	SPARE	20 A	1		0	0		1	20 A	SPARE 28	
29	SPARE	20 A	1			0	0	1	20 A	SPARE 30	
31	SPARE	20 A	1	0	0			1	20 A	SPARE 32	
33	SPARE	20 A	1		0	0		1	20 A	SPARE 34	
35	SPARE	20 A	1			0	0	1	20 A	SPARE 36	
37	SPD (1)	30 A	3	0	0			1	20 A	SPARE 38	
39	SPD (1)	30 A	3	0	0			1	20 A	SPARE 40	
41		20 A	1			0	0	1	20 A	SPARE 42	
Total Load:				5040 VA	4210 VA	4320 VA					
Total Amps:				42 A	35 A	36 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
R	1080 VA	100.00%	1080 VA	
C	12240 VA	125.00%	15300 VA	Total Conn. Load: 13570 VA
N	250 VA	100.00%	250 VA	Total Est. Demand: 16630 VA
				Total Conn.: 38 A
				Total Est. Demand: 46 A

Notes:

PANELBOARD: 1N2-2

Location: ELEC 119
Supply From: MAIN BREAKER
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22 kAIC
Mains Type: MCB
Bus Rating: 250 A
MCB Rating: 225 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	IDF RECEP... 20 A	1	0.36	0.9			1	20 A	WAR RM. & INVENTION SPACE...	2	
3	IDF RECEP... 20 A	1		0.36	1.15			1	20 A	MEETING & CONF RECEP... 4	
5	MECH & ELEC RM RECEP... 20 A	1			0.72	1.15	1	20 A	CONF & INVENTION SPACE RECEP... 6		
7	FLEX SPACE RECEP... 20 A	1	0.97	0.9			1	20 A	WAR RM. & INVENTION SPACE...	8	
9	FLEX SPACE & STUDIO RECEP... 20 A	1		0.97	0.72		1	20 A	MEETING & WAR ROOM RECEP... 10		
11	DESIGN STUDIO RECEP... 20 A	1			1.08	0.9	1	20 A	HALLWAY & CIRC RECEP... 12		
13	DESIGN STUDIO RECEP... 20 A	1	0.72	0.9			1	20 A	HALLWAY & PHONE RM RECEP... 14		
15	DESIGN STUDIO RECEP... 20 A	1		0.72	1.08		1	20 A	CLASSRM/STORAGE/JANITOR...	16	
17	DESIGN STUDIO RECEP... 20 A	1			0.72	0.97	1	20 A	CLASSRM & HALL RECEP... 18		
19	RESTROOM RECEP... 20 A	1	0.72	0.9			1	20 A	SPARE & CLASSRM RECEP... 20		
21	BREAK AREA RECEP... 20 A	1		0.54	1.2		1	20 A	CO-WORK SPACE PHOTOCOPIER 22		
23	BREAK AREA RECEP... 20 A	1			0.72	1.08	1	20 A	CONF & CO-WORK SPACE RECEP... 24		
25	BREAK AREA REFRIGERATOR 20 A	1	1.2	0.72			1	20 A	CO-WORK SPACE WORKSTATIONS 26		
27	BREAK AREA COFFEE MACHINE 20 A	1		1.2	0.72		1	20 A	CO-WORK SPACE WORKSTATIONS 28		
29	FIRE ALARM CONTROL PANEL (2) 20 A	1			0.6	0	1	20 A	SPARE 30		
31	SPARE 20 A	1	0	0			1	20 A	SPARE 32		
33	SPARE 20 A	1		0	0		1	20 A	SPARE 34		
35	SPARE 20 A	1			0	0	1	20 A	SPARE 36		
37	SPD (1) 30 A	3	0	0			1	20 A	SPARE 38		
41	SPD (1) 30 A	3	0	0			1	20 A	SPARE 40		
Total Load:				8290 VA	8660 VA	7940 VA					
Total Amps:				70 A	73 A	66 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
R	15480 VA	50.00%	7740 VA	
K	2400 VA	100.00%	2400 VA	Total Conn. Load: 24890 VA
C	4560 VA	125.00%	5700 VA	Total Est. Demand: 18290 VA
N	2450 VA	100.00%	2450 VA	Total Conn.: 69 A
				Total Est. Demand: 51 A

Notes:

PANELBOARD: 1N2-1

Location: ELEC 119
Supply From: MAIN BREAKER
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22 kAIC
Mains Type: MCB
Bus Rating: 250 A
MCB Rating: 225 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	COMP. LAB CONDENSING UNIT CU-1	30 A	3	2.67	1.2	2.67	1.2	1	20 A	AHU-1	2
5	SPARE	30 A	3	3	1.2			1	20 A	AHU-2	4
9	SPARE	30 A	3			3	1.2	1	20 A	AHU-3	6
11	SPARE	30 A	3					1	20 A	AHU-4	8
13	SPARE	30 A	3	3	0			1	20 A	AHU-5	10
15	SPARE	30 A	3			3	0	1	20 A	AHU-6	12
17	SPARE	30 A	3					1	20 A	SPARE	14
19	SPARE	30 A	3	3	0			1	20 A	SPARE	16
21	SPARE	30 A	3			3	0	1	20 A	SPARE	18
23	SPARE	30 A	3					1	20 A	SPARE	20
25	SPARE	30 A	3	3	0			1	20 A	SPARE	22
27	SPARE	30 A	3			3	0	1	20 A	SPARE	24
29	SPARE	30 A	3					1	20 A	SPARE	26
31	SPARE	30 A	3	3	2.4			3	30 A	IDF CLOSET SPLIT SYSTEM	34
33	SPARE	30 A	3					3	30 A	SPARE	36
37	SPARE	30 A	3	3	3.2			3	30 A	SPARE	38
41	SPARE	30 A	3			3	3.2	3	40 A	POLYMER SHOP MAKE-UP AIR	42
Total Load:				28667 VA	28667 VA	28667 VA					
Total Amps:				239 A	239 A	239 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Spare	54000 VA	100.00%	54000 VA	Total Conn. Load: 86000 VA
M	32000 VA	100.00%	32000 VA	Total Est. Demand: 86000 VA
				Total Conn.: 239 A
				Total Est. Demand: 239 A

Notes:

BUILDING LOAD SUMMARY

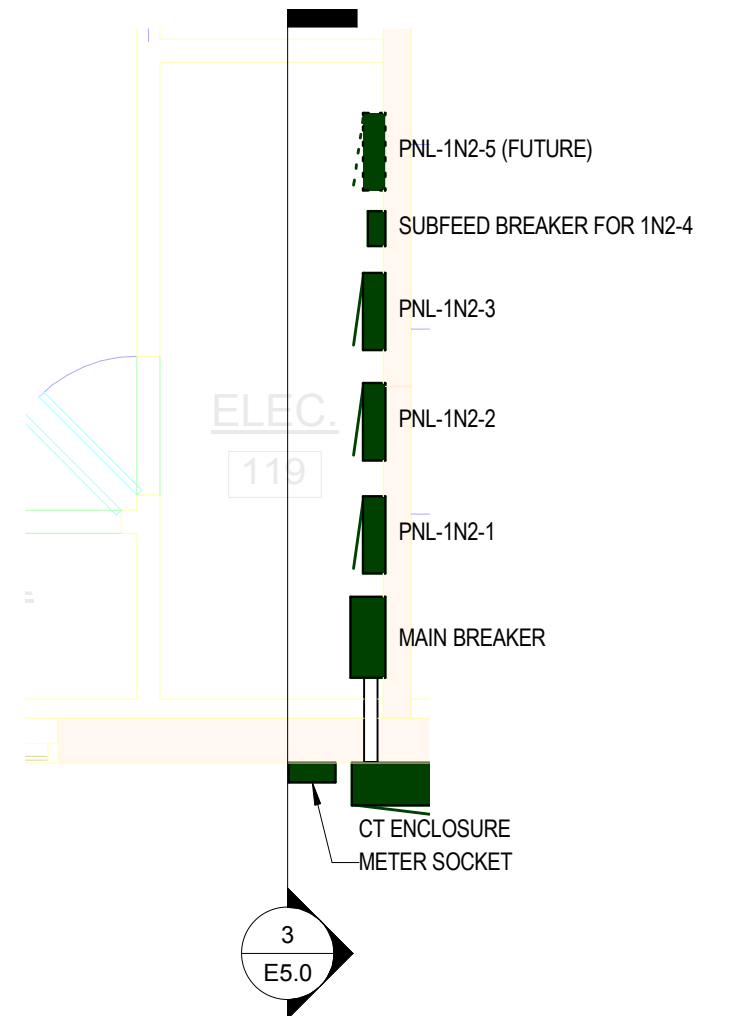
208Y/120V, 3PH, 4W + GRD, 600A

CONNECTED LOAD (VA): 165010
EST. DEMAND LOAD (VA): 163440

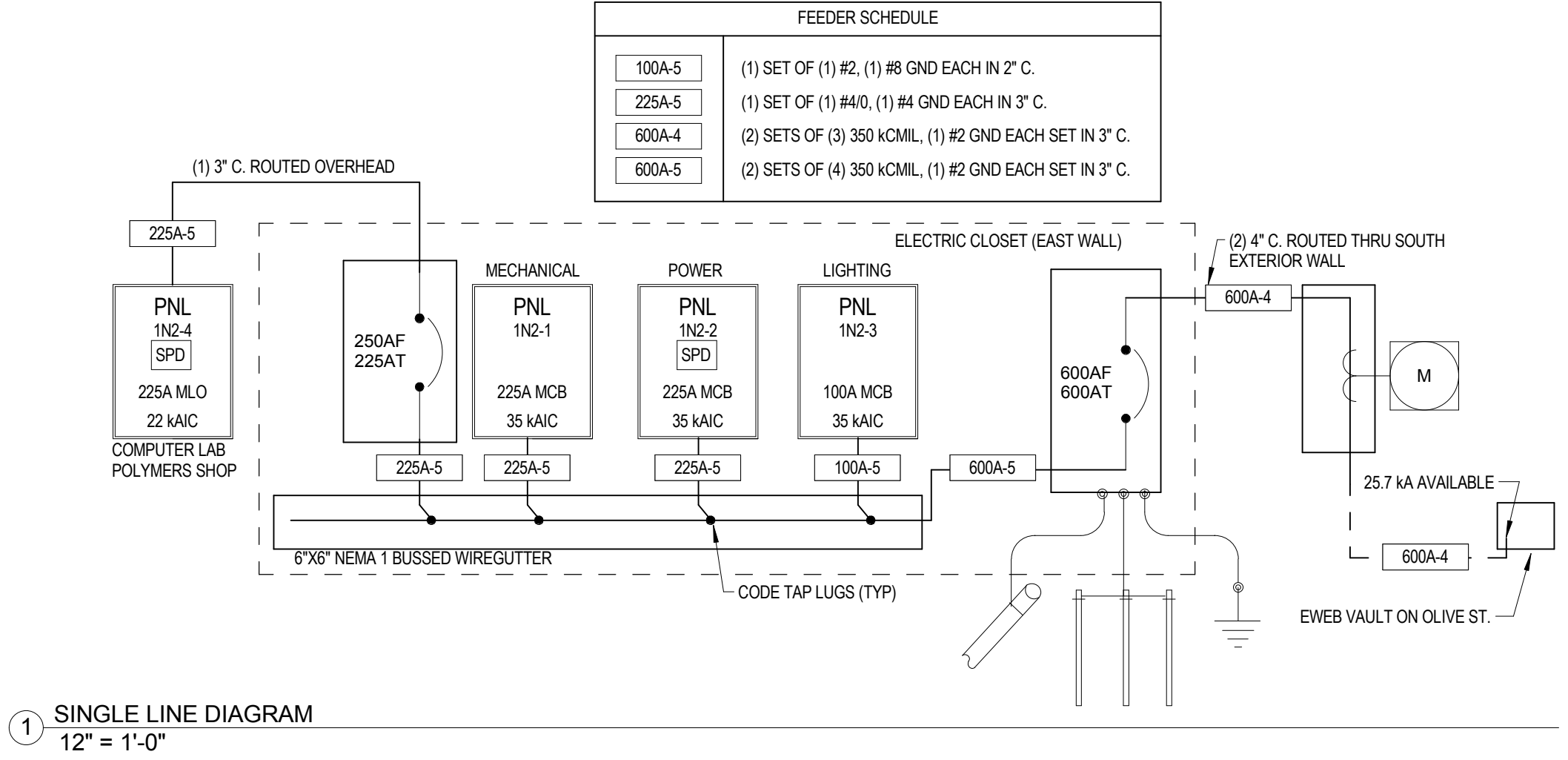
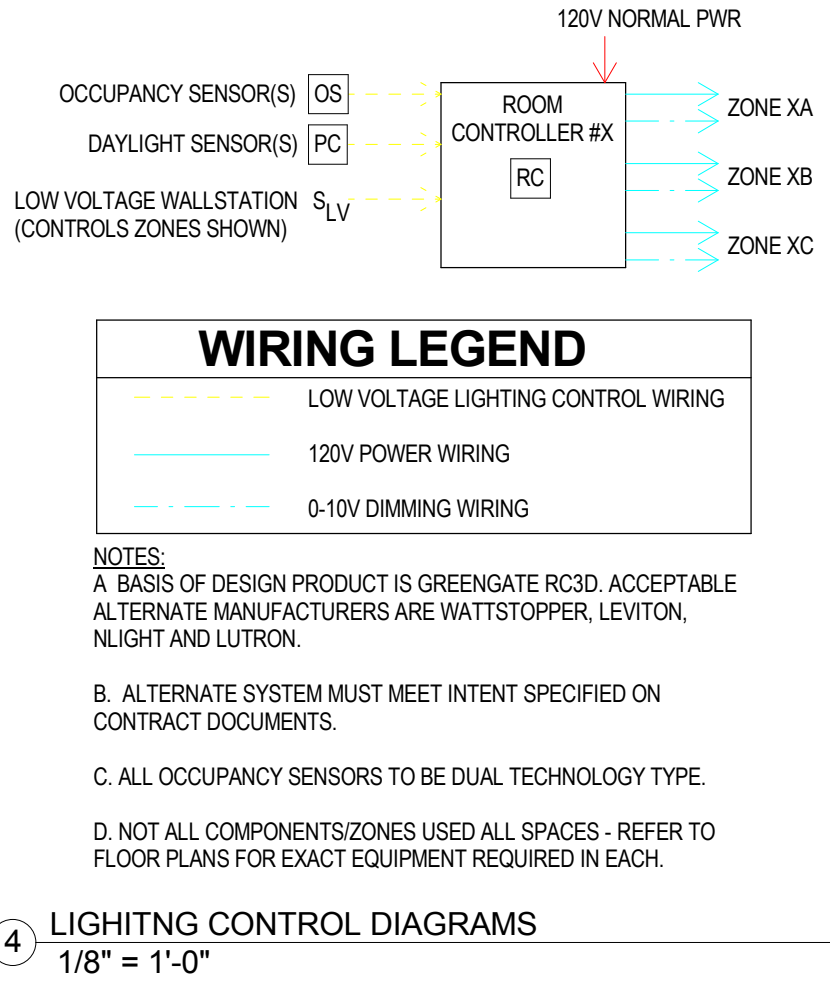
EST. DEMAND LOAD (A): 454



3 SECTION - MAIN ELECTRICAL EAST
1/4" = 1'-0"



2 ENLARGED PLAN - ELECTRIC RM.
1/4" = 1'-0"



942 OLIVE STREET
942 OLIVE STREET, EUGENE, OREGON 97401
OWNER: UNIVERSITY OF OREGON
CAMPUS PLANNING, DESIGN & CONSTRUCTION
CONTACT: MARTINA OXOBY 541.346.5880



PROJECT NO. 15-0309
ISSUE DATE 09/11/2015

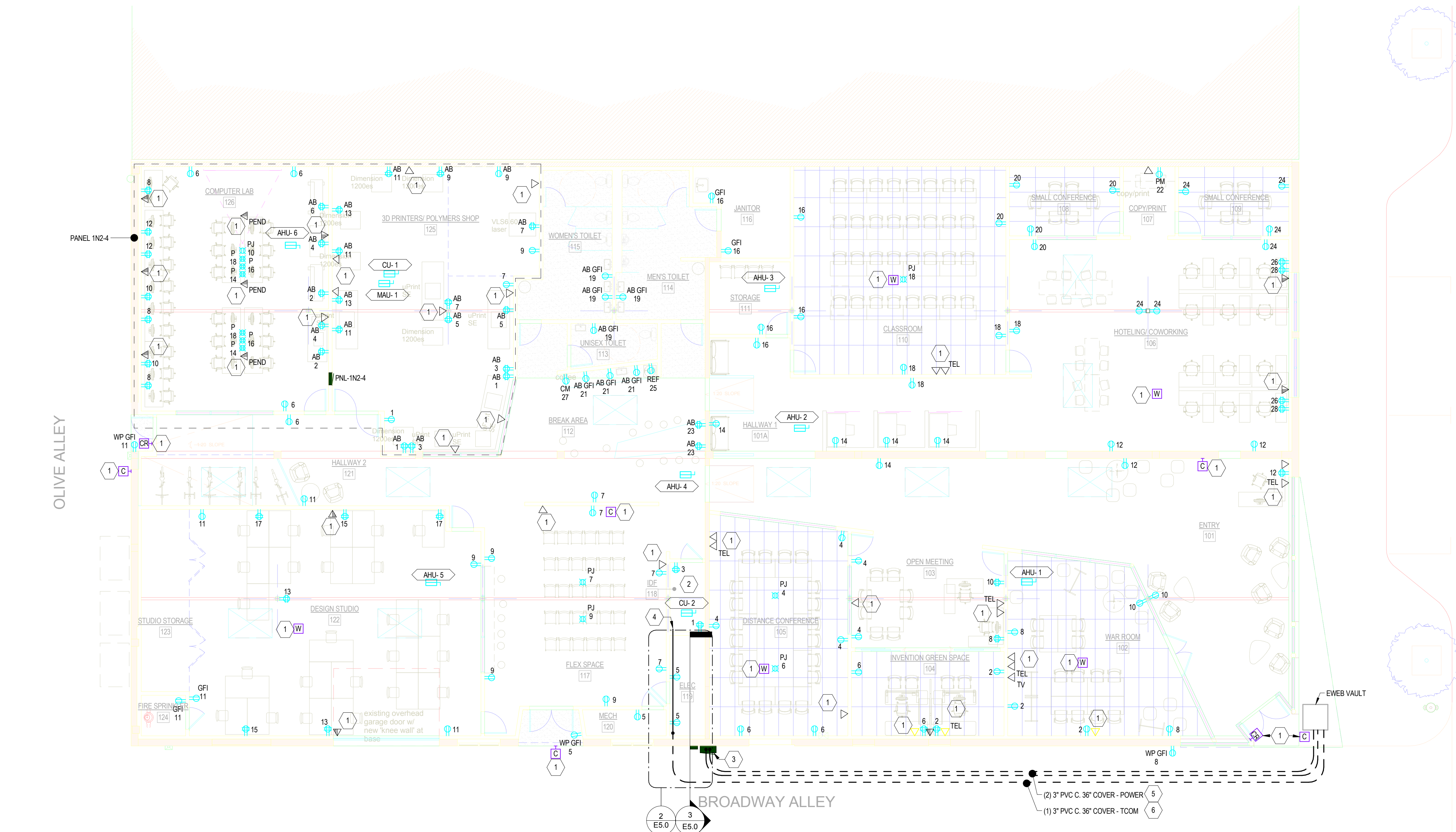
REVISIONS

SHEET

DIAGRAMS, SCHEDULES AND ENLARGED PLANS

E5.0

PERMIT SET
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KEYED NOTES

- 1 DIV. 26 CONTRACTOR TO PROVIDE RACEWAYS AS REQUIRED TO SERVE SECURITY/TELECOM EQUIPMENT BY OTHERS. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH SECURITY CONTRACTOR AND/OR EQUIPMENT SUPPLIER.
- 2 PROVIDE (1) #6AWG BARE OR GREEN COPPER CONDUCTOR BONDED TO BUILDING EQUIPMENT GROUND. LEAVE 6 FEET OF EXTRA CONDUCTOR FOR TERMINATION BY OTHERS.
- 3 CONTRACTOR TO CONFIRM EXACT CT ENCLOSURE SIZE AND CONFIGURATION WITH UTILITY PRIOR TO ORDERING.
- 4 STUB CONDUIT FOR FIBER OPTIC SERVICE IN IDF CLOSET AS DIRECTED BY OWNER. PROVIDE PULLSTRING.
- 5 CONTRACTOR TO PROVIDE NEW SERVICE LATERAL CONDUIT AND CONDUCTORS. COORDINATE TERMINATION OF CONDUITS WITH EWEB AT VAULT AS SHOWN. REFER TO SINGLE LINE DIAGRAM ON SHEET E5.0 FOR CONDUCTOR SIZE AND QUANTITIES.
- 6 CONTRACTOR TO PROVIDE CONDUIT FOR CONNECTION TO DOWNTOWN FIBER LOOP. FIBER OPTIC CABLE TO BE INSTALLED BY OTHERS. COORDINATE TERMINATION OF CONDUIT WITH EWEB AND CITY OF EUGENE AT EWEB VAULT AS SHOWN.

SHEET NOTES

- A REYES ENGINEERING INC. HAS CONDUCTED PRELIMINARY COORDINATION OF THE ELECTRIC POWER SERVICE WITH EUGENE WATER AND ELECTRIC BOARD. CONTRACTOR RESPONSIBLE FOR FINAL COORDINATION OF ELECTRIC SERVICE WITH ROBERT WILLIAMS AT EUGENE WATER AND ELECTRIC BOARD - 541-685-7170.
- B EXCEPT WHERE NOTED ON PLANS & SCHEDULES, ALL RECEPTACLES AND EQUIPMENT SHOWN ON THIS FLOOR PLAN ARE CONNECTED TO PANEL IN2.2.

1 FLOOR PLAN - POWER
1/8" = 1'-0"

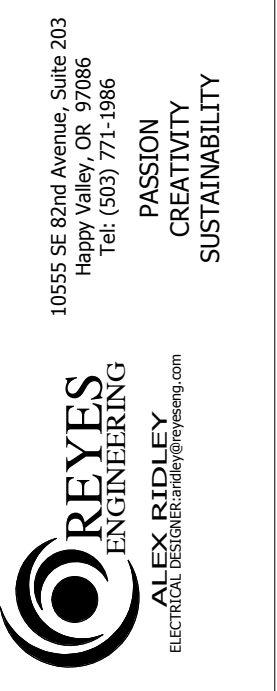
942 OLIVE STREET
 942 OLIVE STREET, EUGENE, OREGON 97401
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PROJECT NO. 15-0309
 ISSUE DATE 09/11/2015
 REVISIONS

SHEET
 FLOOR PLAN - POWER

E3.0

PERMIT SET
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PANELBOARD: 1N2-3

Location: ELEC 119
Supply From: MAIN BREAKER
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22 KAIC
Mains Type: MCB
BUS Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	WEST CIRC & FLEX SPACE LIGHTING	20 A	1	1.24	0.47			1	20 A	2	
3	COMP. LAB. RESTRM & SHOP LIGHTING	20 A	1		1.66	0.78		1	20 A	4	
5	FLEX SPACE TRACK & MECH/ELEC LTG	20 A	1					1	20 A	6	
7	DESIGN STUDIO LIGHTING	20 A	1	1.31	0.87			1	20 A	8	
9	SPARE	20 A	1		0	0.5		1	20 A	10	
11	SPARE	20 A	1					1	20 A	12	
13	SPARE	20 A	1	0	0			1	20 A	14	
15	SPARE	20 A	1		0	0		1	20 A	16	
17	SPARE	20 A	1				0	0	1	20 A	18
19	SPARE	20 A	1	0	0			1	20 A	20	
21	SPARE	20 A	1					1	20 A	22	
23	SPARE	20 A	1				0	0	1	20 A	24
25	SPARE	20 A	1	0	0			1	20 A	26	
27	SPARE	20 A	1		0	0		1	20 A	28	
29	SPARE	20 A	1				0	0	1	20 A	30
Total Load:		3879 VA		2935 VA		3420 VA					
Total Amps:		33 A		24 A		29 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
L	10234 VA	125.00%	12793 VA	Total Conn. Load: 10234 VA Total Est. Demand: 12793 VA Total Conn.: 28 A Total Est. Demand: 36 A

Notes:

PANELBOARD: 1N2-4

Location: 3D PRINTERS/ POLYME...
Supply From: MAIN BREAKER
Mounting: RECESSED
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10 KAIC
Mains Type: MLO
Bus Rating: 250 A
MCB Rating: N/A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	POLYMERS BENCH/CONV RECEPTS	20 A	1	0.9	0.72			1	20 A	2	
3	POLYMERS BENCH RECEPTS	20 A	1		0.72	0.72		1	20 A	4	
5	POLYMERS BENCH RECEPTS	20 A	1					1	20 A	6	
7	POLYMERS & LASER BENCH RECEPTS	20 A	1	0.9	1.08			1	20 A	8	
9	POLYMERS & LASER BENCH RECEPTS	20 A	1		1.08	0.97		1	20 A	10	
11	POLYMERS BENCH RECEPTS	20 A	1			1.08	0.72	1	20 A	12	
13	POLYMERS BENCH RECEPTS	20 A	1	0.72	0.72			1	20 A	14	
15	SPARE	20 A	1		0	0.72		1	20 A	16	
17	SPARE	20 A	1				0	0.72	1	20 A	18
19	SPARE	20 A	1	0	0			1	20 A	20	
21	SPARE	20 A	1		0	0		1	20 A	22	
23	SPARE	20 A	1				0	0	1	20 A	24
25	SPARE	20 A	1	0	0			1	20 A	26	
27	SPARE	20 A	1		0	0		1	20 A	28	
29	SPARE	20 A	1				0	0	1	20 A	30
31	SPARE	20 A	1	0	0			1	20 A	32	
33	SPARE	20 A	1		0	0		1	20 A	34	
35	SPARE	20 A	1				0	0	1	20 A	36
37	SPD (1)	30 A	3	0	0			1	20 A	38	
39	SPD (1)	30 A	3				0	0	1	20 A	40
41							0	0	1	20 A	42
Total Load:		5040 VA		4210 VA		4320 VA					
Total Amps:		42 A		35 A		36 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
R	1080 VA	100.00%	1080 VA	Total Conn. Load: 13570 VA Total Est. Demand: 16630 VA Total Conn.: 38 A Total Est. Demand: 46 A
C	12240 VA	125.00%	15300 VA	
N	250 VA	100.00%	250 VA	

Notes:
(1) PROVIDE PANELBOARD WITH INTEGRAL SPD. PROVIDE OVERCURRENT PROTECTION AS DIRECTED BY MANUFACTURER.

PANELBOARD: 1N2-2

Location: ELEC 119
Supply From: MAIN BREAKER
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22 KAIC
Mains Type: MCB
Bus Rating: 250 A
MCB Rating: 225 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	IDF RECEPTS	20 A	1	0.36	0.9			1	20 A	2
3	IDF RECEPTS	20 A	1		0.36	1.15		1	20 A	4
5	MECH & ELEC RM RECEPTS	20 A	1			0.72	1.15	1	20 A	6
7	FLEX SPACE RECEPTS	20 A	1	0.97	0.9			1	20 A	8
9	FLEX SPACE & STUDIO RECEPTS	20 A	1		0.97	0.72		1	20 A	10
11	DESIGN STUDIO RECEPTS	20 A	1			1.08	0.9	1	20 A	12
13	DESIGN STUDIO RECEPTS	20 A	1	0.72	0.9			1	20 A	14
15	DESIGN STUDIO RECEPTS	20 A	1		0.72	1.08		1	20 A	16
17	DESIGN STUDIO RECEPTS	20 A	1			0.72	0.97	1	20 A	18
19	RESTROOM RECEPTS	20 A	1	0.72	0.9			1	20 A	20
21	BREAK AREA RECEPTS	20 A	1		0.54	1.2		1	20 A	22
23	BREAK AREA RECEPTS	20 A	1			0.72	1.08	1	20 A	24
25	BREAK AREA REFRIGERATOR	20 A	1	1.2	0.72			1	20 A	26
27	BREAK AREA COFEE MACHINE	20 A	1		1.2	0.72		1	20 A	28
29	FIRE ALARM CONTROL PANEL (2)	20 A	1			0.6	0	1	20 A	30
31	SPARE	20 A	1	0	0			1	20 A	32
33	SPARE	20 A	1		0	0		1	20 A	34
35	SPARE	20 A	1			0	0	1	20 A	36
37	SPD (1)	30 A	3	0	0			1	20 A	38
41					0	0		1	20 A	42
Total Load:		8290 VA		8660 VA		7940 VA				
Total Amps:		70 A		73 A		66 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
R	15480 VA	50.00%	7740 VA	Total Conn. Load: 24890 VA Total Est. Demand: 18290 VA Total Conn.: 69 A Total Est. Demand: 51 A
K	2400 VA	100.00%	2400 VA	
C	4560 VA	125.00%	5700 VA	
N	2450 VA	100.00%	2450 VA	

Notes:
(1) PROVIDE PANELBOARD WITH INTEGRAL SPD. PROVIDE OVERCURRENT PROTECTION AS DIRECTED BY MANUFACTURER.
(2) PROVIDE MEANS TO LOCK BREAKER HANDLE IN THE ON POSITION AND PAINT RED.

PANELBOARD: 1N2-1

Location: ELEC 119
Supply From: MAIN BREAKER
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22 KAIC
Mains Type: MCB
Bus Rating: 250 A
MCB Rating: 225 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	COMP. LAB CONDENSING UNIT CU-1	30 A	3	2.67	1.2			1	20 A	2
5	SPARE	30 A	3	3	1.2			1	20 A	6
9	SPARE	30 A	3			3	1.2	1	20 A	10
13	SPARE	30 A	3	3	0			1	20 A	14
15	SPARE	30 A	3			3	0	1	20 A	16
17	SPARE	30 A	3			3	0	1	20 A	18
19	SPARE	30 A	3			3	0	1	20 A	20
21	SPARE	30 A	3			3	0	1	20 A	22
23	SPARE	30 A	3			3	0	1	20 A	24
25	SPARE	30 A	3	3	0			1	20 A	26
27	SPARE	30 A	3			3	0	1	20 A	28
29	SPARE	30 A	3			3	0	1	20 A	30
31	SPARE	30 A	3	3	2.4			1	20 A	32
33	SPARE	30 A	3			3	2.4	1	20 A	34
35	SPARE	30 A	3			3	2.4	3	30 A	36
37	SPARE	30 A	3	3	3.2			1	20 A	38
39	SPARE	30 A	3			3	3.2	1	20 A	40
41						3	3.2	3	40 A	42
Total Load:		28667 VA		28667 VA		28667 VA				
Total Amps:		239 A		239 A		239 A				

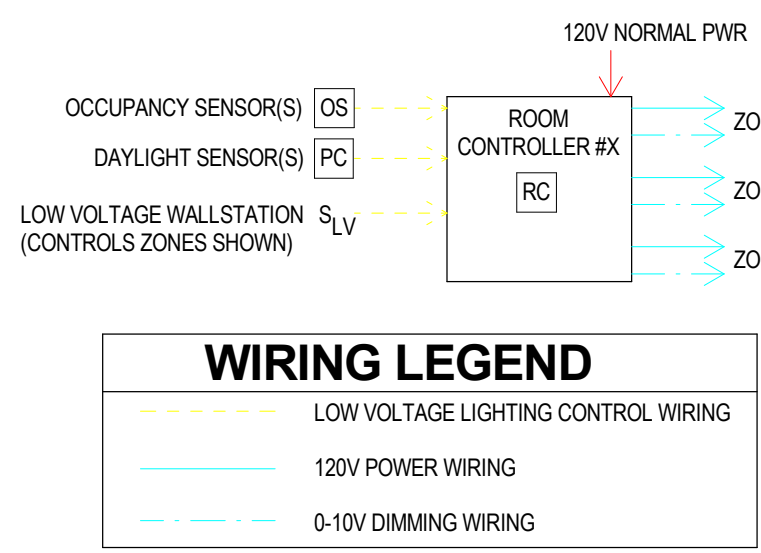
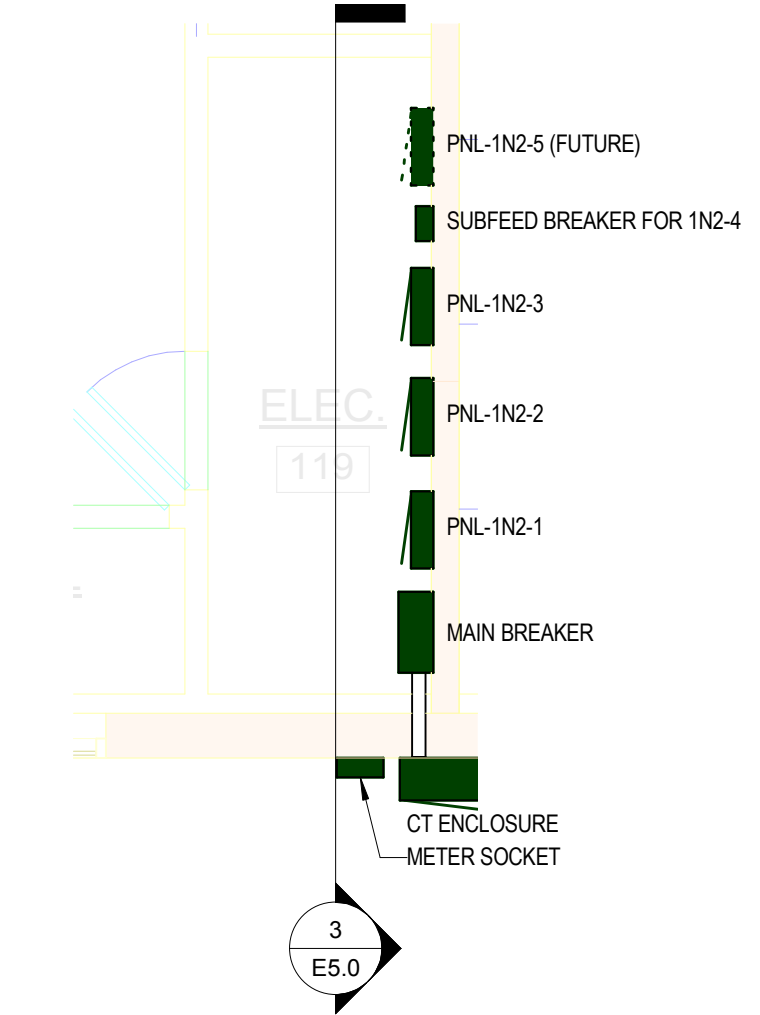
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Spare	54000 VA	100.00%	54000 VA	Total Conn. Load: 86000 VA Total Est. Demand: 86000 VA Total Conn.: 239 A Total Est. Demand: 239 A
M	32000 VA	100.00%	32000 VA	

Notes:

BUILDING LOAD SUMMARY

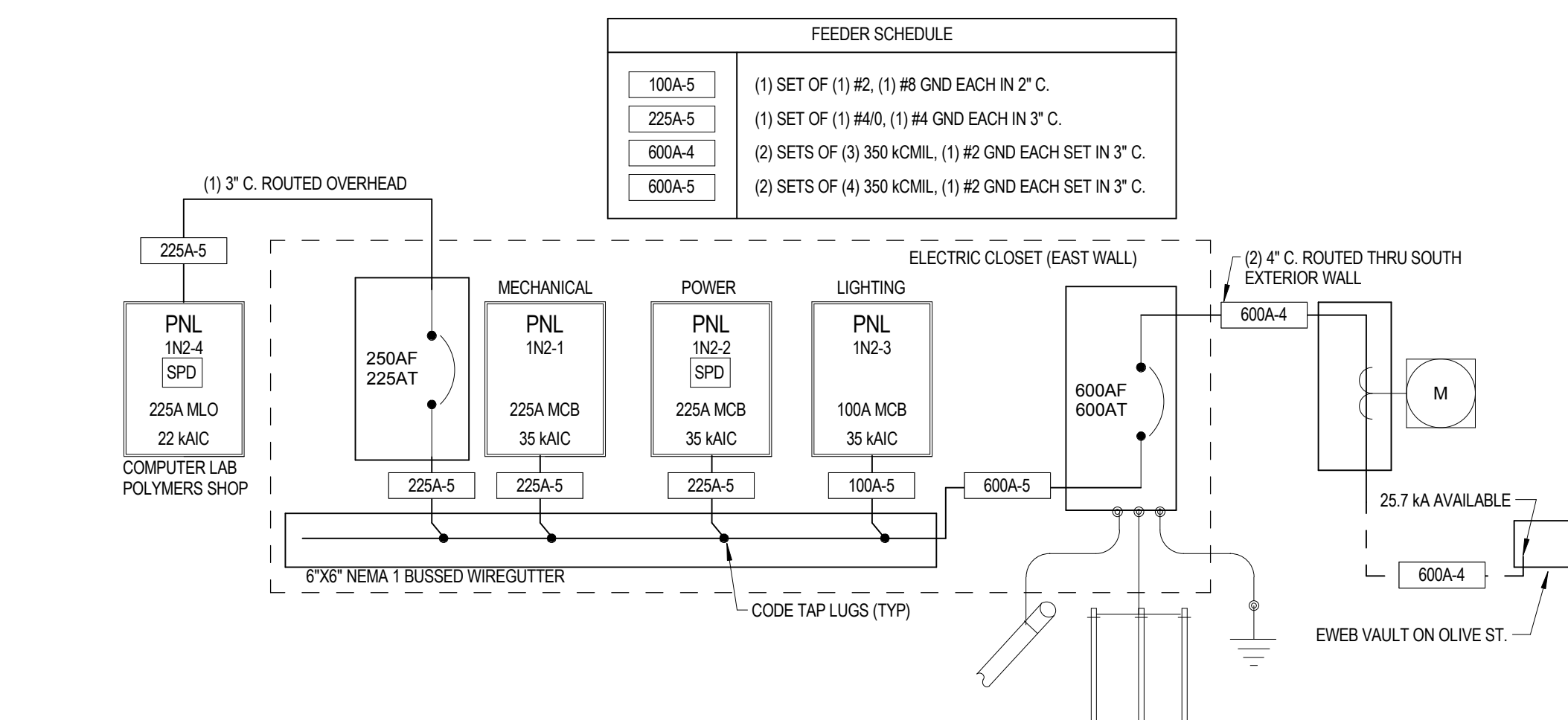
208Y/120V, 3PH, 4W + GRD, 600A

CONNECTED LOAD (VA): 165010
EST. DEMAND LOAD (VA): 163440
EST. DEMAND LOAD (A): 454

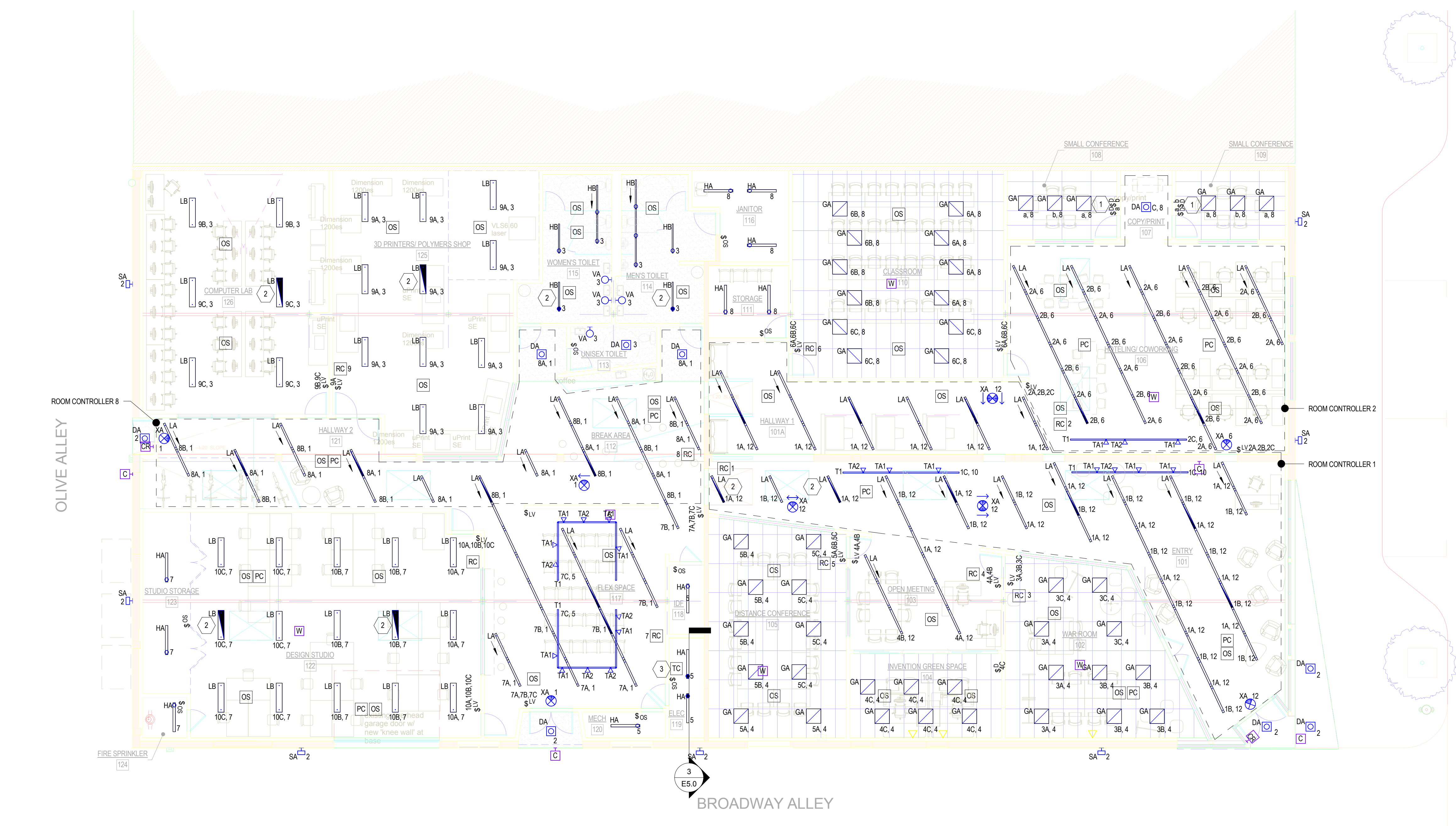


NOTES:
A. BASIS OF DESIGN PRODUCT IS GREENGATE RC3D. ACCEPTABLE ALTERNATE MANUFACTURERS ARE WATTSTOPPER, LEVITON, NIIGHT AND LUTRON.
B. ALTERNATE SYSTEM MUST MEET INTENT SPECIFIED ON CONTRACT DOCUMENTS.
C. ALL OCCUPANCY SENSORS TO BE DUAL TECHNOLOGY TYPE.
D. NOT ALL COMPONENTS/ZONES USED ALL SPACES - REFER TO FLOOR PLANS FOR EXACT EQUIPMENT REQUIRED IN EACH.

4 LIGHTING CONTROL DIAGRAMS
1/8" = 1'-0"



5 SINGLE LINE DIAGRAM
12\"/>



KEYED NOTES

- 1 PROVIDE WALLBOX DIMMING PIR VACANCY SENSOR, LUTRON MSCL-VP153M OR EQUIVALENT.
- 2 PROVIDE LUMINAIRE INDICATED WITH EMERGENCY BATTERY PACK TO PRODUCE MINIMUM 1000 LUMENS FOR 90 MINUTES. PROVIDE BATTERY PACKS WITH SWITCHED AND UNSWITCHED INPUTS - CONNECT SO THAT EMERGENCY LUMINAIRE CONTROLLED ALONG WITH ADJACENT LUMINAIRES EXCEPT IN THE EVENT OF A POWER FAILURE.
- 3 PROVIDE ASTRONOMICAL TIMELOCK FOR CONTROL OF EXTERIOR LIGHTING.

SHEET NOTES

- A ALL LIGHTING ON THIS FLOOR PLAN IS CONNECTED TO PANEL 1N2-3.
- B CONFIRM ALL FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.

1 FLOOR PLAN - LIGHTING
1/8" = 1'-0"



942 OLIVE STREET
 942 OLIVE STREET, EUGENE, OREGON 97401
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 CAMPUS PLANNING, DESIGN & CONSTRUCTION
 CONTACT: MARTINA OXOBY 541.346.5880



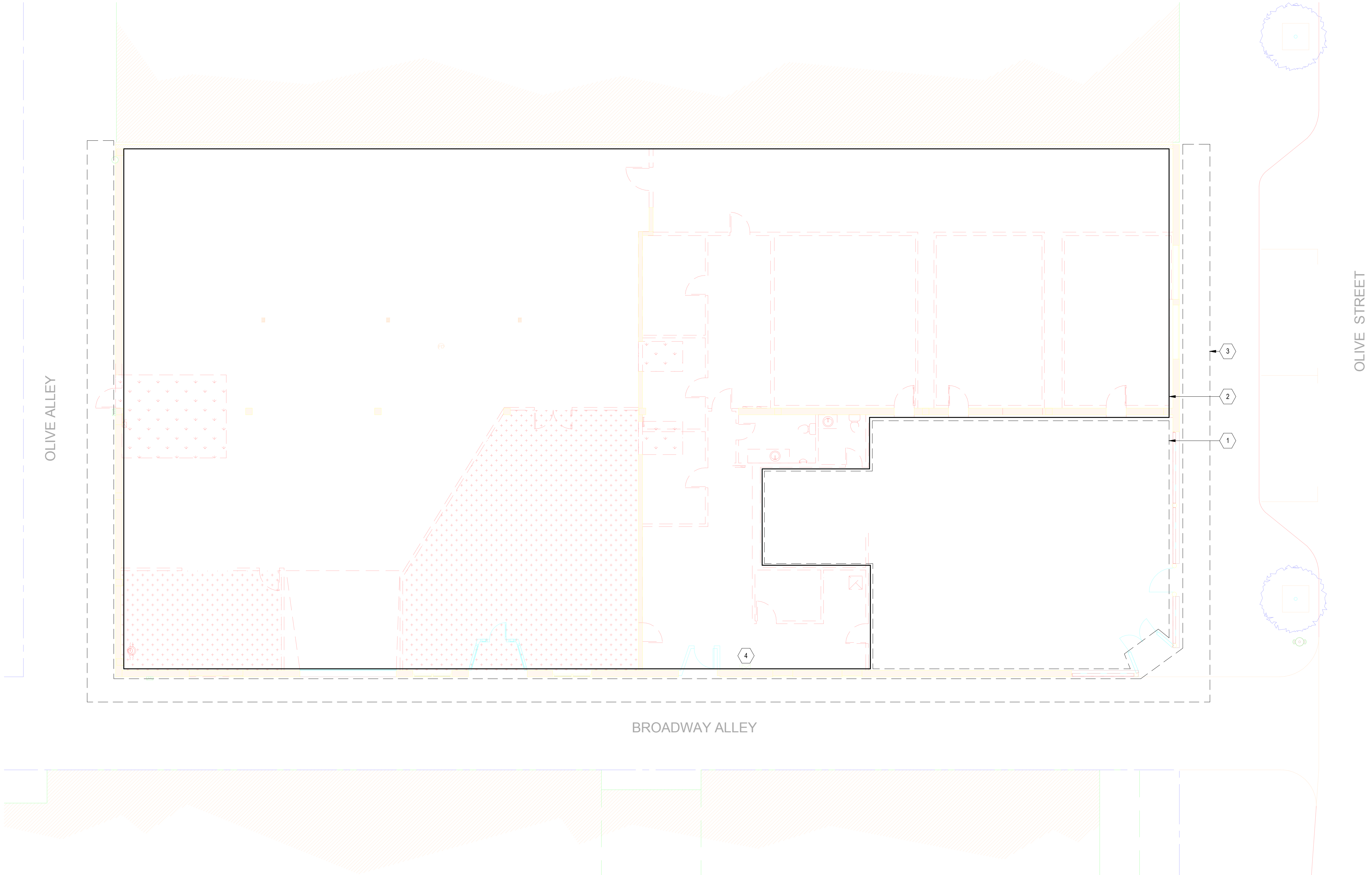
PROJECT NO. 15-0309
 ISSUE DATE 09/11/2015

REVISIONS
 SHEET

FLOOR PLAN - LIGHTING

E2.0

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KEYED NOTES

- 1 EXISTING 'EYEBALL' TRACK LUMINAIRES TO BE DISCONNECTED AND REMOVED FOR REUSE DURING NEW CONSTRUCTION PHASE. REMAINING LIGHTING, TELECOM, FIRE ALARM AND OTHER MISC ELECTRICAL INFRASTRUCTURE TO BE DISCONNECTED AND REMOVED. DEMOLISH ALL ELECTRICAL SYSTEMS COMPLETE INCLUDING ALL J-BOXES, DEVICES, CONDUIT, WIRING, PANELS AND ASSOCIATED HARDWARE. PATCH, SEAL AND/OR REPAIR ANY OPENINGS, PENETRATIONS AND/OR DAMAGE TO EXISTING TO REMAIN ELEMENTS INCLUDING WALLS FLOORS AND CEILINGS RESULTING FROM ELECTRICAL DEMOLITION WORK.
- 2 ALL LIGHTING, TELECOM, FIRE ALARM AND OTHER MISC ELECTRICAL INFRASTRUCTURE TO BE DISCONNECTED AND REMOVED. DEMOLISH ALL ELECTRICAL SYSTEMS COMPLETE INCLUDING ALL J-BOXES, DEVICES, CONDUIT, WIRING, PANELS AND ASSOCIATED HARDWARE. PATCH, SEAL AND/OR REPAIR ANY OPENINGS, PENETRATIONS AND/OR DAMAGE TO EXISTING TO REMAIN ELEMENTS INCLUDING WALLS FLOORS AND CEILINGS RESULTING FROM ELECTRICAL DEMOLITION WORK.
- 3 ALL EXTERIOR LIGHTING, TELECOM, FIRE ALARM AND OTHER MISC ELECTRICAL INFRASTRUCTURE TO BE DISCONNECTED AND REMOVED. DEMOLISH ALL ELECTRICAL SYSTEMS COMPLETE INCLUDING ALL J-BOXES, DEVICES, CONDUIT, WIRING, PANELS AND ASSOCIATED HARDWARE. PATCH AND SEAL ALL REMAINING PENETRATIONS WATERTIGHT.
- 4 COORDINATE DISCONNECTION AND DEMOLITION OF BUILDING ELECTRIC SERVICE METER, CT ENCLOSURE AND DISCONNECT WITH EUGENE WATER AND ELECTRIC BOARD.

SHEET NOTES

- A DEMOLISHED ELEMENTS ARE SHOWN DASHED. DEMOLITION OF STRUCTURAL AND ARCHITECTURAL ELEMENTS AND BUILDING EQUIPMENT BY OTHERS AND SHOWN FOR REFERENCE ONLY.
- B EXISTING ELEMENTS AND WORK TO REMAIN ARE INDICATED BY POCHÉ AND/OR SOLID LINES.

1 DEMOLITION PLAN - ELECTRICAL
1/8" = 1'-0"

942 OLIVE STREET
942 OLIVE STREET, EUGENE, OREGON 97401
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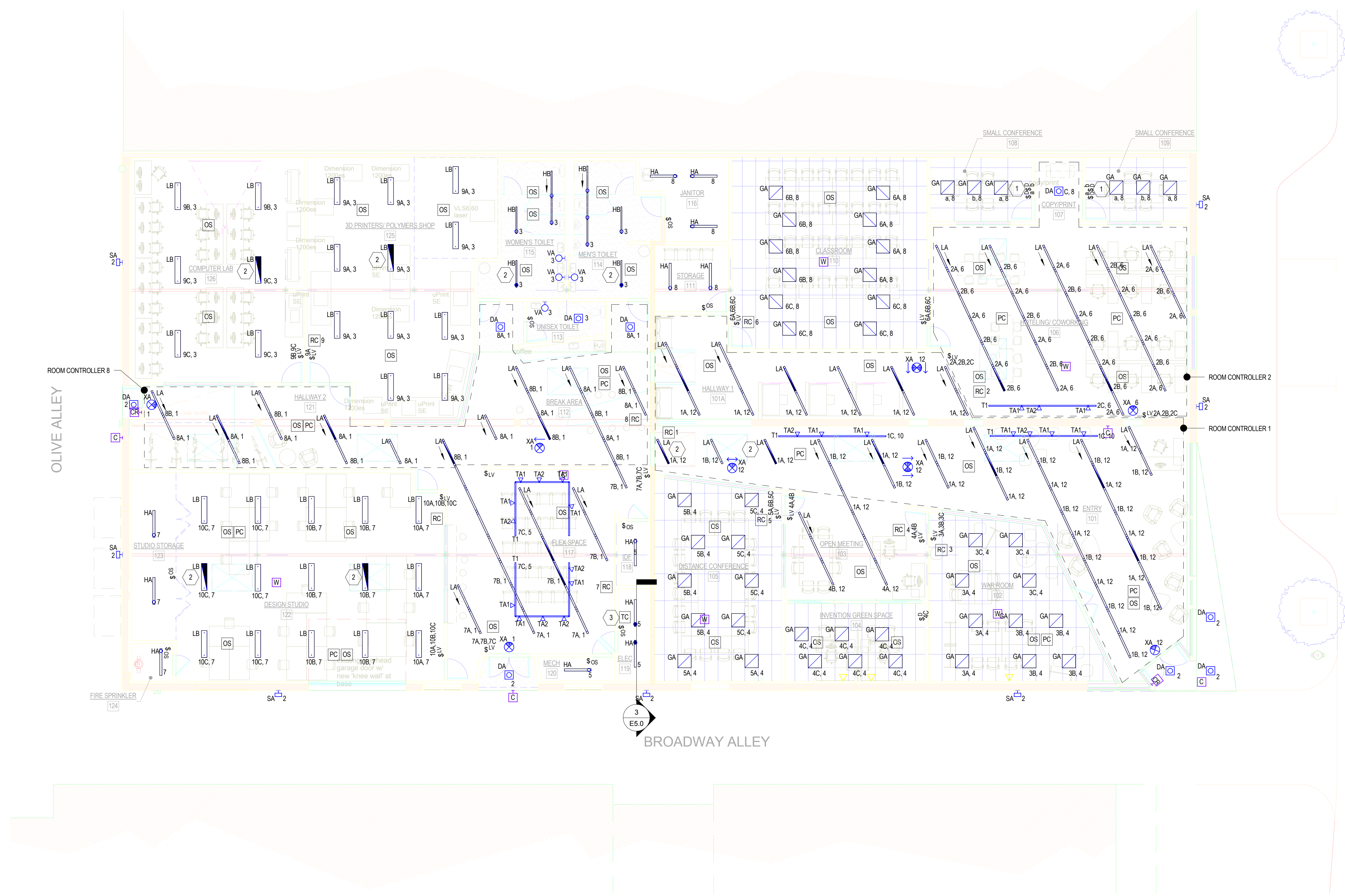
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DEMOLITION PLAN
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KEYED NOTES

- 1 PROVIDE WALLBOX DIMMING PIR VACANCY SENSOR, LUTRON MSCL-VP153M OR EQUIVALENT.
- 2 PROVIDE LUMINAIRE INDICATED WITH EMERGENCY BATTERY PACK TO PRODUCE MINIMUM 1000 LUMENS FOR 90 MINUTES. PROVIDE BATTERY PACKS WITH SWITCHED AND UNSWITCHED INPUTS - CONNECT SO THAT EMERGENCY LUMINAIRE CONTROLLED ALONG WITH ADJACENT LUMINAIRES EXCEPT IN THE EVENT OF A POWER FAILURE.
- 3 PROVIDE ASTRONOMICAL TIMELOCK FOR CONTROL OF EXTERIOR LIGHTING.

SHEET NOTES

- A ALL LIGHTING ON THIS FLOOR PLAN IS CONNECTED TO PANEL 1N2-3.
- B CONFIRM ALL FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.

1 FLOOR PLAN - LIGHTING
1/8" = 1'-0"

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SHEET
 FLOOR PLAN - LIGHTING

E2.0

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LIGHTING CONTROL SCHEDULE							
ROOM CONTROLLER	SERVICE	ZONERELAY	SERVICE	DIMMING	PC/DAYLIGHT ZONE	OCCUPANCY MODE	OCCUPANT CONTROL
1	ENTRY 101 & HALL 101A	1A	ENTRY & HALL	NO	NO	VACANCY	ON/OFF
		1B	ENTRY & HALL DAYLIGHT	NO	YES	VACANCY	ON/OFF
		1C	ENTRY & HALL TRACK	NO	NO	VACANCY	ON/OFF
2	HOTELING/COWORK SPACE 107	2A	HOTELING/COWORK	NO	NO	VACANCY	ON/OFF
		2B	HOTELING/COWORK DAYLIGHT	NO	YES	VACANCY	ON/OFF
		2C	HOTELING/COWORK TRACK	NO	NO	VACANCY	ON/OFF
3	WAR ROOM 102	3A	WAR ROOM ZONE 1	YES	NO	VACANCY	RAISE/LOWER
		3B	WAR ROOM ZONE 2	YES	YES	VACANCY	RAISE/LOWER
		3C	WAR ROOM ZONE 3	YES	YES	VACANCY	RAISE/LOWER
4	MEETING & INVENTION GREEN 103 & 105	4A	OPEN MEETING WORK AREA 103	NO	NO	VACANCY	ON/OFF
		4B	OPEN MEETING 103	NO	NO	VACANCY	ON/OFF
		4C	INVENTION GREEN 104	YES	NO	VACANCY	RAISE/LOWER
5	DISTANCE CONFERENCE 105	5A	DISTANCE CONF ZONE 1	YES	NO	VACANCY	RAISE/LOWER
		5B	DISTANCE CONF ZONE 2	YES	NO	VACANCY	RAISE/LOWER
		5C	DISTANCE CONF ZONE 3	YES	NO	VACANCY	RAISE/LOWER
6	CLASSROOM 110	6A	CLASSROOM ZONE 1	YES	NO	VACANCY	RAISE/LOWER
		6B	CLASSROOM ZONE 2	YES	NO	VACANCY	RAISE/LOWER
		6C	CLASSROOM ZONE 3	YES	NO	OCCUPANCY	RAISE/LOWER
7	FLEX SPACE 117	7A	FLEX SPACE ZONE 1	NO	NO	VACANCY	ON/OFF
		7B	FLEX SPACE ZONE 2	NO	NO	VACANCY	ON/OFF
		7C	FLEX SPACE TRACK	NO	NO	VACANCY	ON/OFF
8	BREAK 112 & HALLWAY 121	8A	BREAK & HALLWAY	NO	NO	OCCUPANCY	ON/OFF
		8B	BREAK & HALLWAY DAYLIGHT	NO	YES	OCCUPANCY	ON/OFF
		8C	SPARE	-	-	-	-
9	3D PRINTERS 125 & COMP LAB 126	9A	3D PRINTERS 125	YES	NO	VACANCY	RAISE/LOWER
		9B	COMPUTER LAB 126 ZONE 1	YES	NO	VACANCY	RAISE/LOWER
		9C	COMPUTER LAB 126 ZONE 2	YES	NO	VACANCY	RAISE/LOWER
10	DESIGN STUDIO 122	10A	DESIGN STUDIO ZONE 1	YES	YES	VACANCY	RAISE/LOWER
		10B	DESIGN STUDIO ZONE 2	YES	YES	VACANCY	RAISE/LOWER
		10C	DESIGN STUDIO ZONE 3	YES	YES	VACANCY	RAISE/LOWER

LUMINAIRE SCHEDULE												
ID	DESCRIPTION	MANUFACTURER	MODEL	FINISH	MOUNTING	MOUNTING HEIGHT	LIGHT SOURCE	POWER SUPPLY	VOLTAGE	LOAD (VA)	COUNT	NOTES
DA	MAXIMUM 6" ROUND BY 6" HIGH SURFACE LED DOWNLIGHT. SELF FLANGED SEMI-SPECULAR TRIM. MEDIUM DISTRIBUTION WITH UL DAMP LOCATION LISTING. LIGHT ENGINE AND DRIVER ACCESSIBLE FROM BELOW CEILING.	WILA SPECTRUM	8008 GY SERIES	-	CEILING SURFACE		4000K, NOMINAL 1500 LUMEN LED	0-10V DIMMING DRIVER	120 V	30 VA	9	
GA	2X2 RECESSED LED LUMINAIRE FOR GRID CEILING.	FOCAL POINT METALUX LEDALITE	EQUATION ENCOUNTER ARIFORM	WHITE	GRID CEILING	VARIES	4000K, NOMINAL 3500 LUMEN LED	0-10V DIMMING DRIVER	120 V	30 VA	44	
HA	NOMINAL 4' LONG INDUSTRIAL FLUORESCENT STRIP WITH STEEL HOUSING. PROVIDE WITH WIREGUARD.	METALUX LITHONIA HE WILLIAMS	SNF C 77	WHITE	CEILING OR WALL SURFACE	VARIES	(2) 4100K, 3100 LUMEN T8 FLUORESCENT	PROGRAM RAPID START ELECTRONIC BALLAST	120 V	60 VA	12	
HB	NOMINAL 3" HIGH BY 1 1/2" WIDE FLUORESCENT SURFACE STRIP LUMINAIRE WITH STEEL HOUSING AND WHITE ACRYLIC LENS. PROVIDE IN CONTINUOUS RUNS AS SHOWN ON DRAWINGS.	PRUDENTIAL NILITE PRIMUS AXIS	HALFSNAP 17N ALX2 BOX MINI	AS SELECTED BY ARCHITECT	CEILING SURFACE	VARIES	(1) 4100K, 3100 LUMEN T8 FLUORESCENT	PROGRAM RAPID START ELECTRONIC BALLAST	120 V	30 VA	9	2
LA	NOMINAL 3" HIGH BY 1 1/2" WIDE FLUORESCENT PENDANT STRIP LUMINAIRE WITH STEEL HOUSING AND WHITE ACRYLIC LENS. PROVIDE IN CONTINUOUS RUNS AS SHOWN ON DRAWINGS. PROVIDE AIRCRAFT CABLE MOUNTING HARDWARE.	PRUDENTIAL NILITE PRIMUS AXIS	HALFSNAP 17N ALX2 BOX MINI	AS SELECTED BY ARCHITECT	PENDANT	VARIES	(1) 4100K, 3100 LUMEN T8 FLUORESCENT	PROGRAM RAPID START ELECTRONIC BALLAST	120 V	30 VA	118	2
LB	NOMINAL 4' LONG BY 10" WIDE INDUSTRIAL LED HIGH-BAY LUMINAIRE WITH STEEL HOUSING. PROVIDE WITH WHITE STRAIGHT BLADE LOUVER, PROVIDE AIRCRAFT CABLE PENDANT MOUNTING HARDWARE.	LITHONIA METALUX	MSL ILED	MATTE WHITE	PENDANT	13'-0" AFF	4000K, NOMINAL 8000 LUMEN LED	0-10V DIMMING DRIVER	120 V	75 VA	32	
SA	LOW PROFILE, CAST ALUMINUM WALL MOUNT LED DIRECT/INDIRECT LUMINAIRE WITH UV STABILIZED LENSES AND GASKETS. UL WET LOCATION LISTING.	PRISMA VE-EF	MMIK 620	AS SELECTED BY ARCHITECT	WALL SURFACE	10'-0" AFF	4000K, NOMINAL 1400 LUMEN DIRECT AND 1400 LUMEN INDIRECT LED	0-10V DIMMING DRIVER	120 V	45 VA	7	
T1	LOW PROFILE, SINGLE CIRCUIT TRACK WITH 250VA OR 2A CURRENT LIMITING CIRCUIT BREAKER POWER FEED.	BRUCK HALO JUNO	ECO	AS SELECTED BY ARCHITECT	PENDANT	VARIES	N/A	N/A	120 V	250 VA	9	
TA1	EXISTING TRACK HEAD LUMINAIRES TO BE REUSED	-	-	AS SELECTED BY ARCHITECT	TRACK	VARIES	4000K, NOMINAL 600 LUMEN INTEGRAL DRIVER PAR30L LED LAMP WITH 36 DEGREE MEDIUM FLOOD BEAM	INTEGRAL DRIVER	120 V	15 VA	14	1
TA2	EXISTING TRACK HEAD LUMINAIRES TO BE REUSED	-	-	AS SELECTED BY ARCHITECT	TRACK	VARIES	4000K, NOMINAL 600 LUMEN INTEGRAL DRIVER PAR30L LED LAMP WITH 8-15 DEGREE SPOT BEAM	INTEGRAL DRIVER	120 V	15 VA	8	1
VA	NOMINAL 14" HIGH BY 5" WIDE BY MAXIMUM 4" PROJECTION WALL MOUNT CYLINDRICAL VANTY LUMINAIRE. OPAL GLASS AND PLATED STEEL CONSTRUCTION. PROVIDE WITH UL WET LOCATION AND ADA LISTINGS.	WAC ELUREKA LIGHT OLIER	ELEMENTUM SILENE WALL VETRO WALL	AS SELECTED BY ARCHITECT	WALL SURFACE	5'-6" AFF	4000K, NOMINAL 700 LUMEN LED	0-10V DIMMING DRIVER	120 V	20 VA	4	
XA	SURFACE OR PENDANT MOUNT, EDGE LIT LED EXIT SIGN LUMINAIRE WITH EXTRUDED ALUMINUM HOUSING AND 90 MINUTE BATTERY BACKUP. PROVIDE SINGLE OR DOUBLE FACE AS REQUIRED	LITHONIA SURE LITES CHLORIDE NAVILITE	EDG 44R NXESA	AS SELECTED BY ARCHITECT	PENDANT OR SURFACE	VARIES	GREEN LED	THERMALLY PROTECTED LED DRIVER	120 V	3 VA	8	

NOTES

A THIS LUMINAIRE SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT MANUAL CONTAINING DIVISION 26 SPECIFICATIONS.

B VERIFY LUMINAIRE VOLTAGE WITH BRANCH CIRCUIT PRIOR TO ORDERING.

C PROVIDE MINIMUM 82 CRI, HIGH PERFORMANCE FLUORESCENT LAMPS ONLY. MINIMUM 25,000 HOUR LIFE.

D PROVIDE MINIMUM 70 CRI, METAL HALIDE LAMPS, MINIMUM 25,000 HOUR LIFE.

E COORDINATE ALL LUMINAIRE MOUNTING WITH CEILING TYPES IN ALL LOCATIONS PRIOR TO ROUGH-IN.

F PROVIDE MINIMUM 12" ADJUSTABILITY IN AIRCRAFT CABLE HUNG LUMINAIRES, IF USED. COIL EXCESS CABLE ABOVE CEILING FOR FUTURE ADJUSTMENT.

G ALL FLUORESCENT LAMPS TO COMPLY WITH FEDERAL TOXIC CHARACTERISTIC LEACHING PROCEDURE (TCLP) REQUIREMENTS, WHERE REQUIRED.

H ALL LED LUMINAIRES TO BE SUPPLIED WITH A MINIMUM 5 YEAR WARRANTY.

I ALL ELECTRONIC BALLASTS AND DRIVERS TO COMPLY WITH REDUCTION OF HAZARDOUS SUBSTANCES (ROHS) REQUIREMENTS.

J LIGHT OUTPUT LISTED IN THIS SCHEDULE IS DELIVERED LUMENS.

K LUMINAIRE COUNT IN THIS SCHEDULE FOR REFERENCE ONLY. CONTRACTOR RESPONSIBLE FOR OBTAINING EXACT LUMINAIRE QUANTITIES FROM FLOOR PLANS FOUND IN CONTRACT DOCUMENTS.

L CONFIRM ALL LUMINAIRE FINISHES, MOUNTING AND PENDANT HEIGHTS WITH ARCHITECT.

1 CLEAN AND RELAMP EXISTING "EYEBALL" TRACK HEAD LUMINAIRES. PAINT AS DIRECTED BY ARCHITECT. PROVIDE TRACK ADAPTER IF REQUIRED TO FIT TRACK SELECTED. PROVIDE ELV DIMMABLE, 4000K, 25 DEGREE BEAM, MINIMUM 90CRI, 600 LUMEN PAR30L LED RETROFIT LAMP. PROVIDE SORAA SP30L-12-36D-940-03 OR APPROVED EQUAL. REFER TO DEMOLITION PLANS FOR MORE INFORMATION.

2 PROVIDE BID ALTERNATE PRICING INFORMATION TO PROVIDE ALTERNATE LED LUMINAIRES INSTEAD OF BASE BID LINEAR FLUORESCENT SELECTIONS. REFER TO BID ALTERNATE LUMINAIRE SCHEDULE FOR LUMINAIRE SELECTIONS.

BID ALTERNATE LUMINAIRE SCHEDULE												
ID	DESCRIPTION	MANUFACTURER	MODEL	FINISH	MOUNTING	MOUNTING HEIGHT	LIGHT SOURCE	POWER SUPPLY	VOLTAGE	LOAD (VA)	COUNT	NOTES
HB-ALT	NOMINAL 3" HIGH BY 1 1/2" WIDE LED SURFACE STRIP LUMINAIRE WITH STEEL HOUSING AND WHITE ACRYLIC LENS. PROVIDE IN CONTINUOUS RUNS AS SHOWN ON DRAWINGS.	PRUDENTIAL NILITE PRIMUS AXIS	HALFSNAP 17N ALX2 BOX MINI	MATTE WHITE	CEILING SURFACE	VARIES	4000K, 600 LUMEN PER FOOT LED	0-10V DIMMING DRIVER	120 V	60 VA	1	
LA-ALT	NOMINAL 3" HIGH BY 1 1/2" WIDE LED PENDANT STRIP LUMINAIRE WITH STEEL HOUSING AND WHITE ACRYLIC LENS. PROVIDE IN CONTINUOUS RUNS AS SHOWN ON DRAWINGS. PROVIDE AIRCRAFT CABLE MOUNTING HARDWARE.	PRUDENTIAL NILITE PRIMUS AXIS	HALFSNAP 17N ALX2 BOX MINI	MATTE WHITE	PENDANT	VARIES	4000K, 600 LUMEN PER FOOT LED	0-10V DIMMING DRIVER	120 V	30 VA	1	

MECHANICAL & PLUMBING EQUIPMENT CONNECTION SCHEDULE														
TAG #	DESCRIPTION	PANEL	CIRCUIT	VOLTAGE	LOAD (HP)	LOAD (FLA)	LOAD (MCA)	LOAD (VA)	POLES	BREAKER	FEEDER	DISCONNECT TYPE	DISCONNECT BY	STARTER BY
AHU 1	CONDENSING GAS FURFACE	1N2-1	2	120 V	-	5 A	5 A	1200 VA	1	20'1	20A	SWITCH	DIV. 26	N/A
AHU 2	CONDENSING GAS FURFACE	1N2-1	4	120 V	-	5 A	5 A	1200 VA	1	20'1	20A	SWITCH	DIV. 26	N/A
AHU 3	CONDENSING GAS FURFACE	1N2-1	6	120 V	-	5 A	5 A	1200 VA	1	20'1	20A	SWITCH	DIV. 26	N/A
AHU 4	CONDENSING GAS FURFACE	1N2-1	8	120 V	-	5 A	5 A	1200 VA	1	20'1	20A	SWITCH	DIV. 26	N/A
AHU 5	CONDENSING GAS FURFACE	1N2-1	10	120 V	-	5 A	5 A	1200 VA	1	20'1	20A	SWITCH	DIV. 26	N/A
AHU 6	CONDENSING GAS FURFACE	1N2-1	12	120 V	-	5 A	5 A	1200 VA	1	20'1	20A	SWITCH	DIV. 26	N/A
CU 1	CONDENSING UNIT	1N2-1	1,3,5	208 V	-	25 A	30 A	8000 VA	3	30'3	30A	FUSIBLE	DIV. 26	N/A
CU 2	CONDENSING UNIT (DUCTLESS SPLIT SYSTEM)	1N2-1	32,34,36	208 V	-	25 A	30 A	7200 VA	3	30'3	30A	FUSIBLE	DIV. 26	N/A
MAU 1	MAKE UP AIR UNIT	1N2-1	38,40,42	208 V	5	30 A	35 A	9600 VA	3	40'3	40A	FUSIBLE	DIV. 26	N/A



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SCHEDULES

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